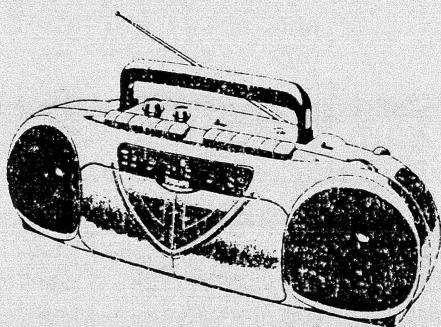


Service
Service
Service



Service Manual

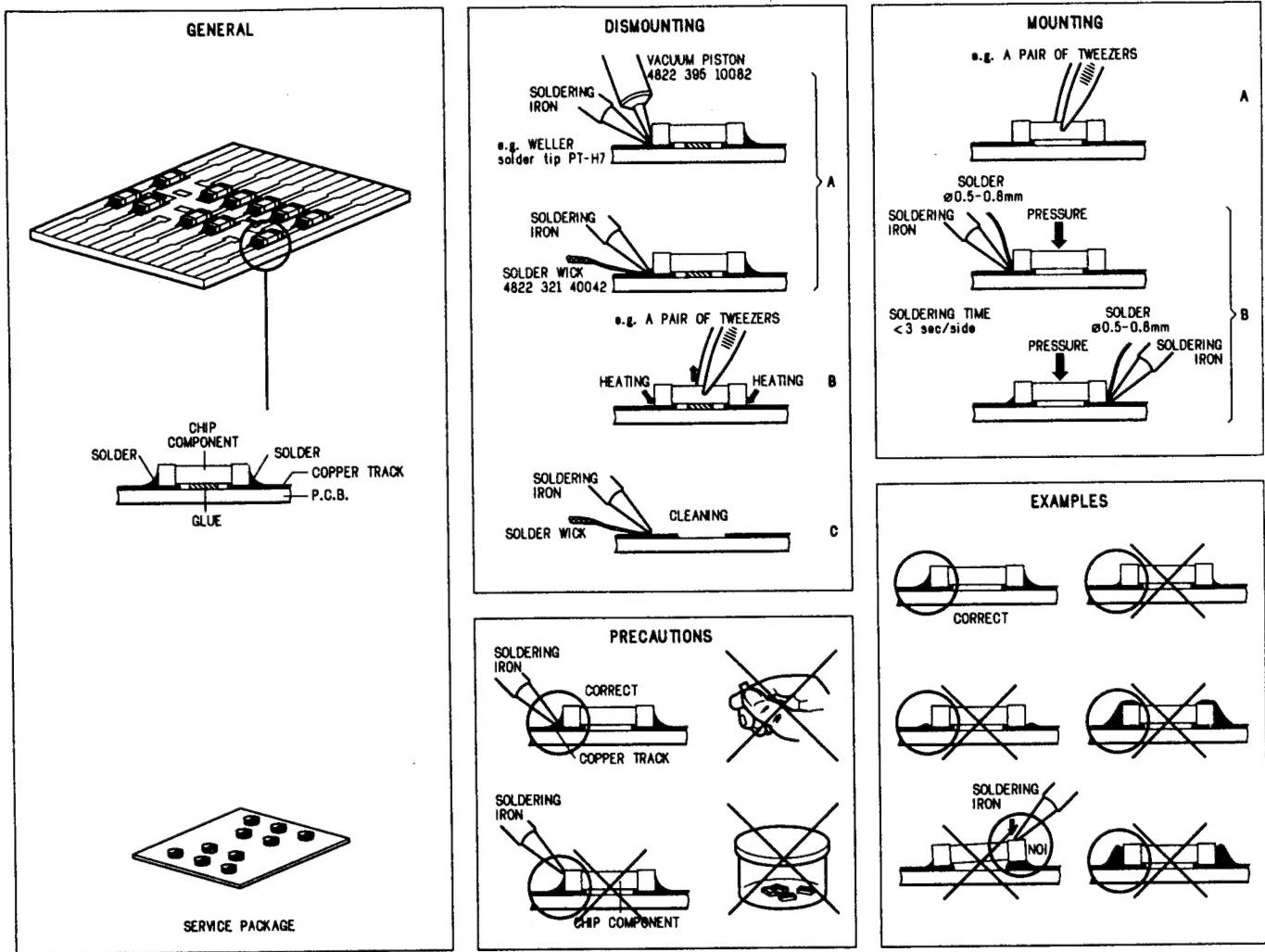
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HANDLING CHIP COMPONENTS



(GB) WARNING

All ICs and many other semiconductors are susceptible to electrostatic discharges (ESD). Careless handling during repair can reduce life drastically.

When repairing, make sure that you are connected with the same potential as the mass of the set via a wrist wrap with resistance. Keep components and tools at this potential.

(F) ATTENTION

Tous les IC et beaucoup d'autres semi-conducteurs sont sensibles aux décharges statiques (ESD). Leur longévité pourrait être considérablement écourtée par le fait qu'aucune précaution n'est prise à leur manipulation.

Lors de réparations, s'assurer de bien être relié au même potentiel que la masse de l'appareil et enfilez le bracelet serré d'une résistance de sécurité.

Veuillez à ce que les composants ainsi que les outils que l'on utilise soient également à ce potentiel.

(GB)

Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified be used.

(D)

Bei jeder Reparatur sind die geltenden Sicherheitsvorschriften zu beachten. Der Originalzustand des Gerätes darf nicht verändert werden. Für Reparaturen sind Originalersatzteile zu verwenden.

(S) Varning !

Osynlig laserstrålning när apparaten är öppnad och spärren är urkopplad. Beträkta ej strålen.

(F)

Pour votre sécurité, ces documents doivent être utilisés par des spécialistes agréés, seuls habilités à réparer votre appareil en panne.

ESD



(NL) WAARSCHUWING

Alle IC's en vele andere halfgeleiders zijn gevoelig voor elektrostatische ontladingen (ESD).

Onzorgvuldig behandelen tijdens reparatie kan de levensduur drastisch doen verminderen. Zorg ervoor dat u tijdens reparatie via een polsband met weerstand verbonden bent met hetzelfde potentiaal als de massa van het apparaat.

Houd componenten en hulpmiddelen ook op ditzelfde potentiaal.

(I) AVVERTIMENTO

Tutti IC e parecchi semi-conduttori sono sensibili alle scariche statiche (ESD).

La loro longevità potrebbe essere fortemente ridotta in caso di non osservazione della più grande cautela alla loro manipolazione. Durante le riparazioni occorre quindi essere collegato allo stesso potenziale che quello della massa dell'apparecchio tramite un braccialetto a resistenza.

Assicurarsi che i componenti e anche gli utensili con quali si lavora siano anche a questo potenziale.

(I)

Le norme di sicurezza esigono che l'apparecchio venga rimesso nelle condizioni originali e che siano utilizzati i pezzi di ricambio identici a quelli specificati.

(F)

Les normes de sécurité exigent que l'appareil soit remis à l'état d'origine et que soient utilisées les pièces de rechange identiques à celles spécifiées.

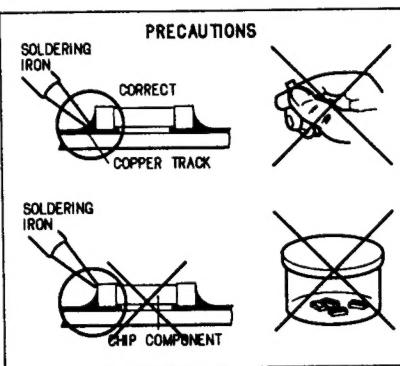
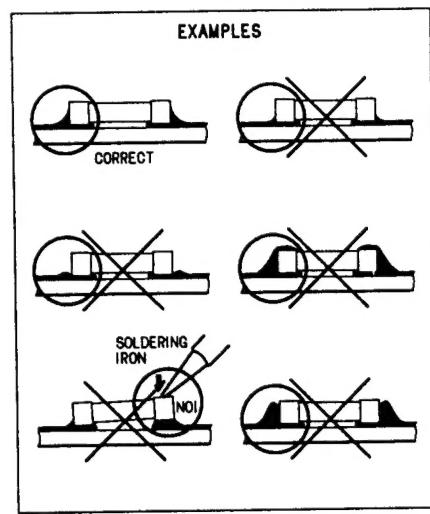
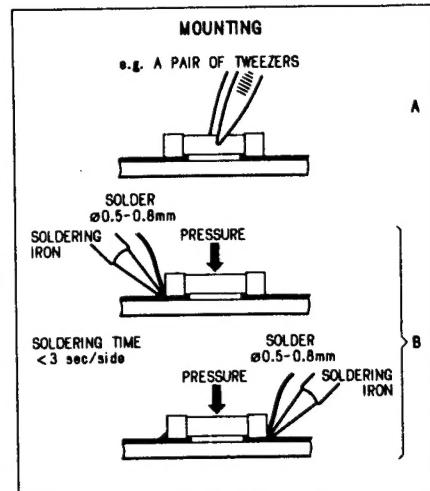
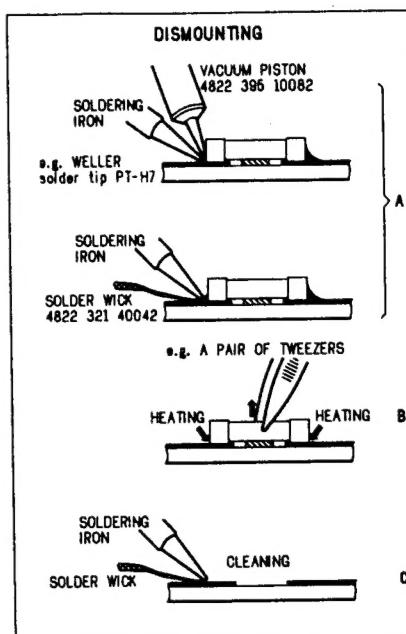
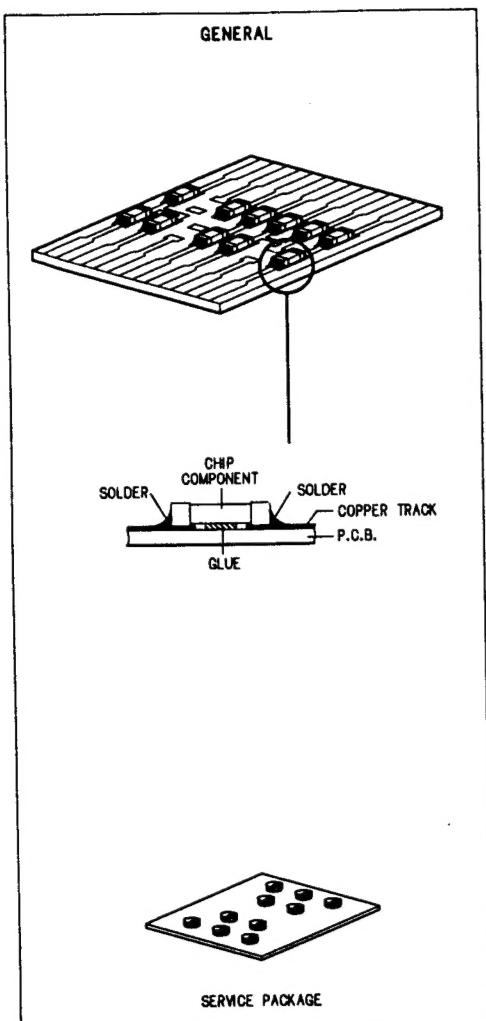
(NL)

Veiligheidsbepalingen vereisen dat het apparaat in zijn oorspronkelijke toestand wordt teruggebracht en dat onderdelen, identiek aan de gespecificeerde, worden toegepast.

(SF) Varoitus !

Avatussa laitteessa ja suojalukitukseen ohittetaessa olet alttiina näkyvästi laserlaserisäilyölle. Älä katso sääleeseen!

HANDLING CHIP COMPONENTS



GB WARNING

All ICs and many other semiconductors are susceptible to electrostatic discharges (ESD). Careless handling during repair can reduce life drastically. When repairing, make sure that you are connected with the same potential as the mass of the set via a wrist wrap with resistance. Keep components and tools at this potential.

F ATTENTION

Tous les IC et beaucoup d'autres semi-conducteurs sont sensibles aux décharges statiques (ESD). Leur longévité pourrait être considérablement écourtée par le fait qu'aucune précaution n'est prise à leur manipulation. Lors de réparations, s'assurer de bien être relié au même potentiel que la masse de l'appareil et enfilez le bracelet serti d'une résistance de sécurité. Veiller à ce que les composants ainsi que les outils que l'on utilise soient également à ce potentiel.

GB

Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified be used.

D

Bei jeder Reparatur sind die geltenden Sicherheitsvorschriften zu beachten. Der Originalzustand des Gerätes darf nicht verändert werden. Für Reparaturen sind Originalersatzteile zu verwenden.

S Varning !

Osyntlig laserstrålning när apparaten är öppnad och spärren är urkopplad. Betrakta ej strålen.

F

Pour votre sécurité, ces documents doivent être utilisés par des spécialistes agréés, seuls habilités à réparer votre appareil en panne.

D) WARNUNG

Alle IC's und viele andere Halbleiter sind empfindlich gegenüber elektrostatischen Entladungen (ESD). Unsorgfältige Behandlung im Reparaturfall kann die Lebensdauer drastisch reduzieren. Sorgen Sie dafür, daß sie im Reparaturfall über ein Pulsschleifer mit Widerstand verbunden sind. Gehen Sie Bauteile und Hilfsmittel ebenfalls auf diesem Potential.

I

Le norme di sicurezza estigono che l'apparecchio venga rimesso nelle condizioni originali e che siano utilizzati i pezzi di ricambio identici a quelli specificati.

F

Les normes de sécurité exigent que l'appareil soit remis à l'état d'origine et que soient utilisées les pièces de rechange identiques à celles spécifiées.

D) Advarsel !

Usynlig laserstrålning ved åbning når sikkerhedsafbrydere er ude af funktion. Undgå utsættelse for strålen.

NL WAARSCHUWING

Alle IC's en vele andere halfgeleiders zijn gevoelig voor elektrostatische ontladingen (ESD). Onzorgvuldig behandelen tijdens reparatie kan de levensduur drastisch doen verminderen. Zorg ervoor dat u tijdens reparatie via een polsband met weerstand verbonden bent met hetzelfde potentiaal als de massa van het apparaat. Houd componenten en hulpmiddelen ook op ditzelfde potentiaal.

I AVVERTIMENTO

Tutti IC e parecchi semi-conduttori sono sensibili alle scariche statiche (ESD).

La loro longevità potrebbe essere fortemente ridotta in caso di non osservazione della più grande cautela alla loro manipolazione. Durante le riparazioni occorre quindi essere collegato allo stesso potenziale che quello della massa dell'apparecchio tramite un braccialetto a resistenza.

Assicurarsi che i componenti e anche gli utensili con quali si lavora siano anche a questo potenziale.

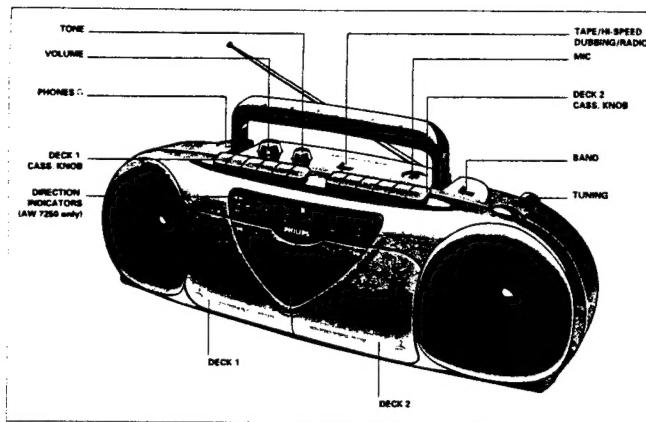
NL

Veiligheidsbepalingen vereisen dat het apparaat in zijn oorspronkelijke toestand wordt teruggebracht en dat onderdelen, identiek aan de gespecificeerde, worden toegepast.

SF Varoitus !

Avalussa laitteessa ja suojalukitukseen ohittaa olet altilta näkymättömälle laserisateilylle. Alá katso sateeseen!

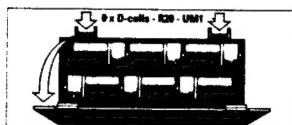
CONNECTIONS AND CONTROLS



SUPPLY

Battery supply

- Whenever convenient, use the mains supply if you want to conserve battery life.
- Open the battery compartment and insert six batteries as indicated, type R20, UM1 or D-cells.



- Remove the batteries if they are exhausted or if they will not be used again for a long time.

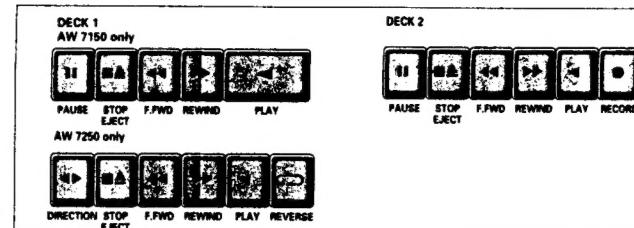
The battery supply is switched off when the set is connected to the mains supply. To change over to battery supply, pull out the plug from the MAINS socket.

mains supply

- Make sure if the power voltage as shown on the type plate (on the base of the set) corresponds to your local mains voltage. If it does not, consult your dealer or service organization.
- If the set is equipped with a voltage selector, set this selector to the local mains voltage.



- Connect the mains lead to the mains socket (and plug the wall outlet). The mains supply is switched on.
- To disconnect the set from the mains completely, withdraw the mains plug from the wall socket.



CASSETTE PLAYBACK

PLAYBACK ON DECK 1 OR 2

- Set the TAPE/RADIO selector to TAPE.
- Press EJECT ▲ and insert a recorded cassette.
- For playback, any cassette type can be inserted.
- Adjust the sound with the VOLUME and TONE controls.
- You may connect stereo headphones with 3.5 mm plug to socket Ø PHONES. The loudspeakers will then be muted.
- Press PLAY ▶ and playback will start.
- Press STOP ■ if you want to stop the playback before the end of the tape. The set is then switched off. On pressing again, the cassette holder will open (EJECT).
- When the end of the tape is reached, the recorder buttons are released.



FOR AW 7260 ONLY

- For playback on deck 1, set the REVERSE button ↵ to:
- ↖ ↵ **single reverse**, to play both cassette sides once. At the end of the first cassette side, the tape direction is reversed and the recorder stops at the end of the second cassette side.
- ↖ ↵ **continuous reverse** for non-stop playback. The recorder reverses the tape direction whenever reaching the end of the cassette. To stop, STOP ■ must be pressed.
- Select the tape direction to start with using the DIRECTION button ↵. The DIRECTION indicators ↵ show the actual tape direction.
- During playback you can reverse the tape direction at any moment using the DIRECTION button ↵.

CONTINUOUS PLAY - deck 2 followed by deck 1

- Set the TAPE/RADIO selector to TAPE
- Press both EJECT ▲ buttons and insert a recorded cassette into both decks.
- On deck 1, set the REVERSE button ↵ to ↳ ↵ and select the tape direction using the DIRECTION button ↵. **For AW 7250 only.**
- Press PLAY ▶ on deck 1 and PAUSE II and PLAY ▶ on deck 2; deck 1 will play and deck 2 stands still.
- As soon as deck 1 stops (at the end of the cassette or when its STOP ■ button is pressed), PAUSE II is released and deck 2 will start playing back.
- To stop, press STOP ■; the set is then switched off.

RECORDING

Copyright:

Recording is permissible insofar as copyright or other rights of third parties are not infringed.

Safeguarding a cassette against erasure:

Accidental erasure can be prevented by breaking the small tab in the top corner of the back of the cassette. This protection can be reversed with a piece of adhesive tape placed over the same corner.



Winding the tape

- Press F.FWD ↵ to fast forward the tape.
- Press REW ▶ to fast rewind the tape.
- Press STOP ■ to stop fast forward or fast-rewind, or before the end of the tape.

RECORDING (on deck 2 only)

- Press EJECT ▲ to open the cassette holder.
- Insert the cassette into deck 2.



At the very beginning of the tape, no recording will take place during the first seven seconds when the leader tape passes the recorder heads.

- When monitoring during recording, adjust the sound with the controls VOLUME and TONE. These controls do not affect the recording.

- To stop, Press STOP ■.

RECORDING FROM THE RADIO

- Set the TAPE/RADIO selector to RADIO.

Mono recording from the built-in microphone

- Set the TAPE/RADIO selector to TAPE
- Set the VOLUME control to the minimum volume level (during microphone recordings, monitoring is not possible)

STARTING AND STOPPING THE RECORDING

- To start recording, press RECORD ● and PLAY ▶ is then pressed at the same time.
- When the end of the tape is reached, the recorder buttons are released.
- To interrupt recording, press PAUSE II.
- To continue recording, press PAUSE II again.
- Press STOP ■ if you want to stop the recording before the end of the tape. On pressing again, the cassette holder will open.
- The set is switched off if the TAPE/RADIO selector is in position TAPE and no buttons are pressed.

DUBBING – Copying from deck 1 to 2

When dubbing, it is recommended to use fresh batteries or to connect the set to the mains supply.

- Set the TAPE/RADIO selector to:
- DUBBING - for normal speed copying
- HI-SPEED DUBBING - for high speed copying

Do not switch this switch during dubbing.

- Press both EJECT ▲ buttons and insert a recorded cassette into deck 1 and a cassette which is suited for recording into deck 2.
- Press PAUSE II followed by RECORD ● on deck 2.
- To start dubbing, press PLAY ▶ on deck 1.
- Press PAUSE II on deck 2 if you wish to omit undesired passages and the playback in deck 1 will continue. To restart dubbing, press PAUSE II again.
- By pressing PAUSE II in deck 1 during dubbing, a blank part will be recorded in deck 2.
- To stop dubbing, press both STOP buttons ■. The set is then switched off.

SPECIFICATIONS

GENERAL

Main voltage	-/00/04/14	: 230V
	-/01/11	: 120/230V
Main frequency		: 50Hz
Battery		: 9V (R20 x 6)
Power Consumption		: 10W
Output power	Main battery	: 2 x 0.8 W
		: 2 x 0.7 W
Speaker impedance		: 2 x 8 Ohm

AUDIO / CASSETTE

Tape speed		: 4.76cm/s ± 3%
Wow & flutter		: < 0.4% (JIS RMS)
Fast winding time (C60)		: < 130 sec.
Frequency response	P/B	: 250 - 6300 Hz (± 6 dB)
	High speed dubbing	: 250 - 5000 Hz
S/N ratio		: > 30dB
Erase ratio		: 50 dB (w/BPF)
Bias frequency		: 60 ± 10KHz
Tone control	3KHz	: - 8 dB

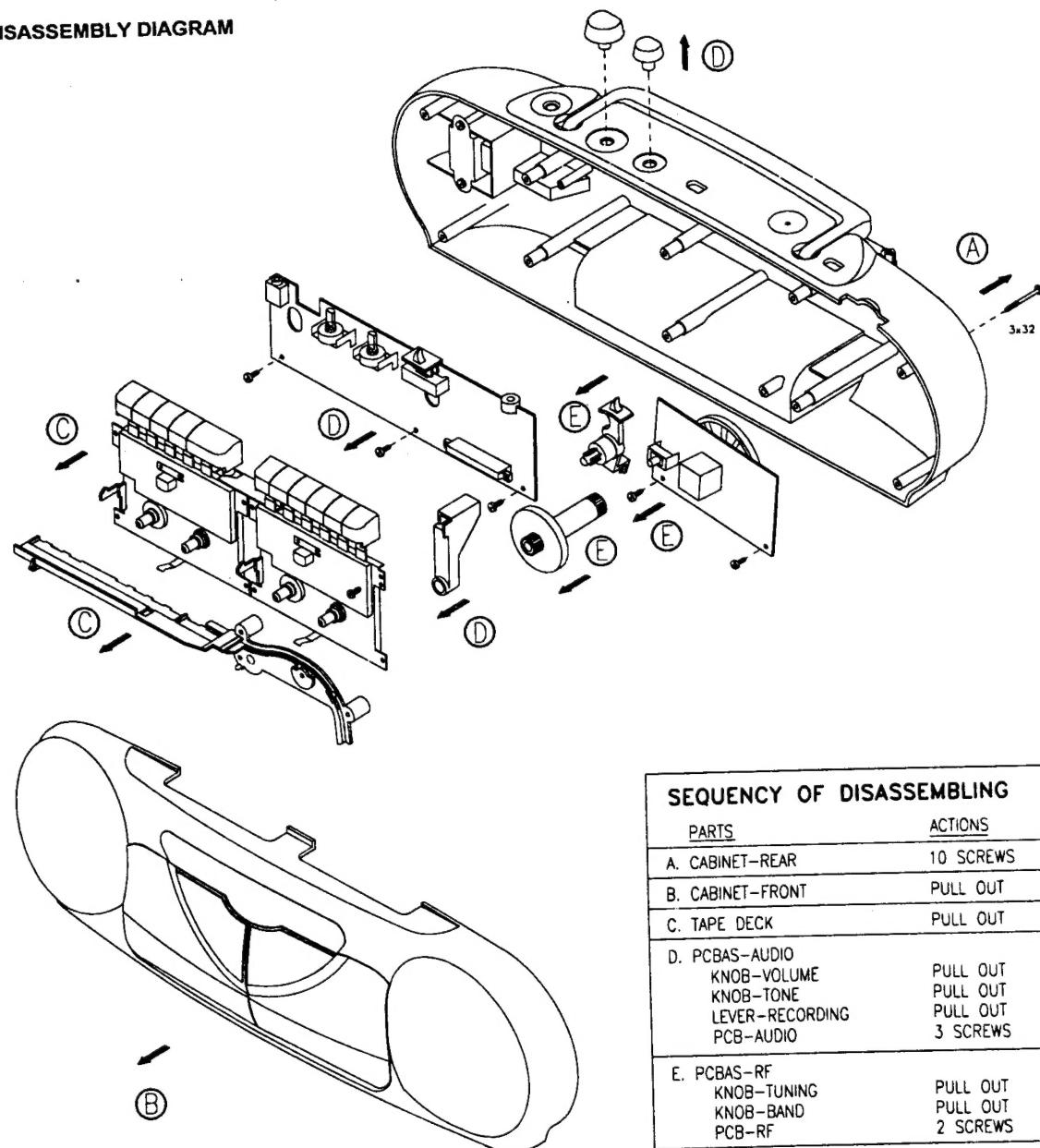
TUNER - FM section

Tuning range		: 87.5 - 108MHz
	-/14	: 65 - 108 MHz
IF frequency		: 10.7MHz
Sensitivity		: < 22 dBf at 26dB S/N
Selectivity		: > 20dB at 600KHz B.W.
IF rejection		: > 50 dB
Image rejection		: > 20 dB
AM suppression		: > 30 dB
Stereo separation	1 KHz	: > 20 dB

TUNER - AM section

Tuning range	MW	: 531 - 1606.5KHz
	LW	: 148.5 - 283.5 KHz
	SW1	: 2.3 - 7.3 MHz
	SW2	: 9.5 - 21.85 MHz
IF frequency	MW	: 468 ± 3KHz
Sensitivity	MW	: < 4000 µV/m at 26dB S/N
	LW	: < 6000 µV/m
	SW1	: 85 - 210 µV
	SW2	: 85 - 210 µV
Selectivity	MW	: > 16 dB
	LW	: > 20 dB
	SW1	: > 22 dB
	SW2	: > 22 dB
IF rejection	MW	: > 30 dB
	LW	: > 27 dB
Image rejection	MW	: > 28 dB
	LW	: > 30 dB
	SW1	: > 10 dB
	SW2	: > 6 dB

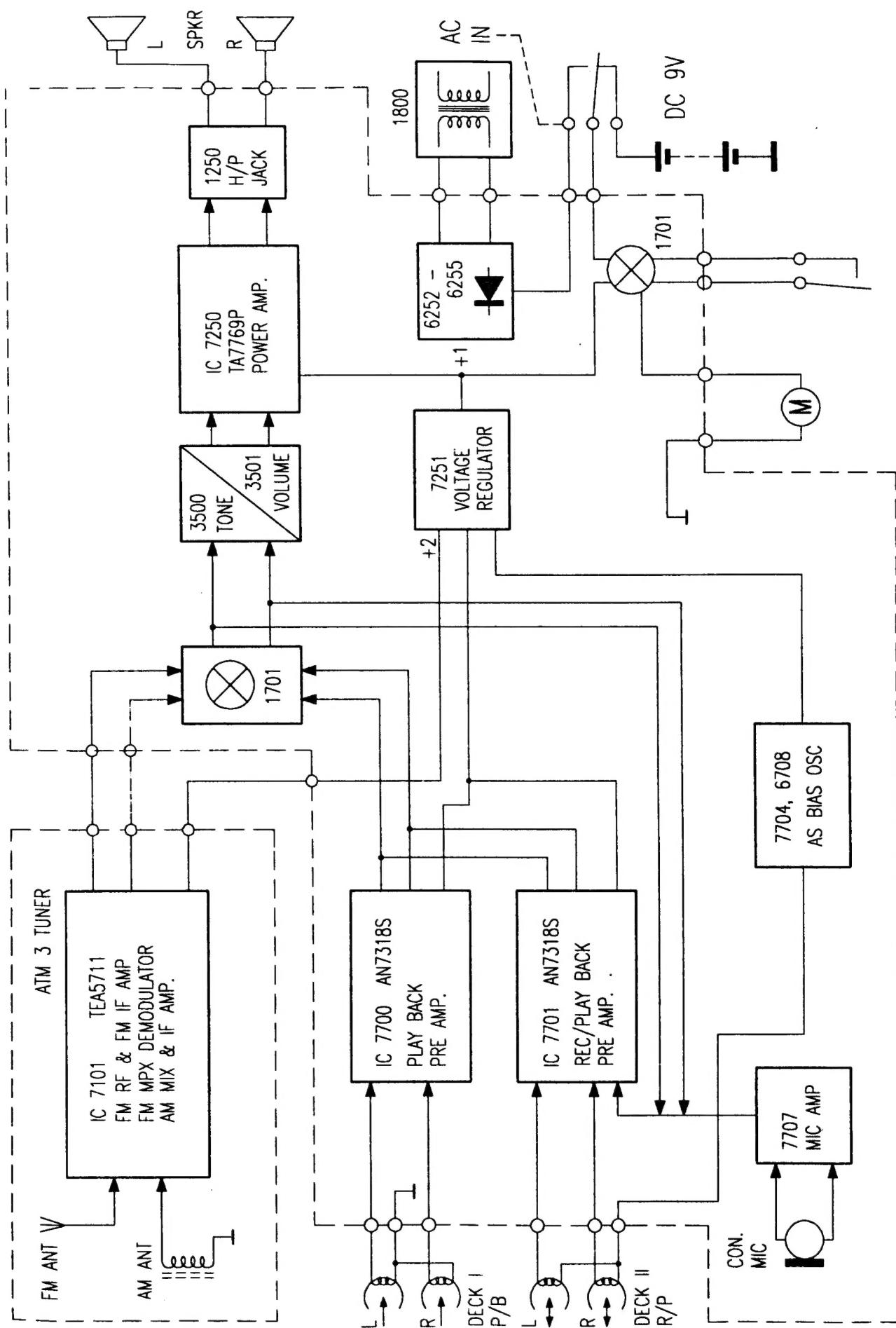
DISASSEMBLY DIAGRAM



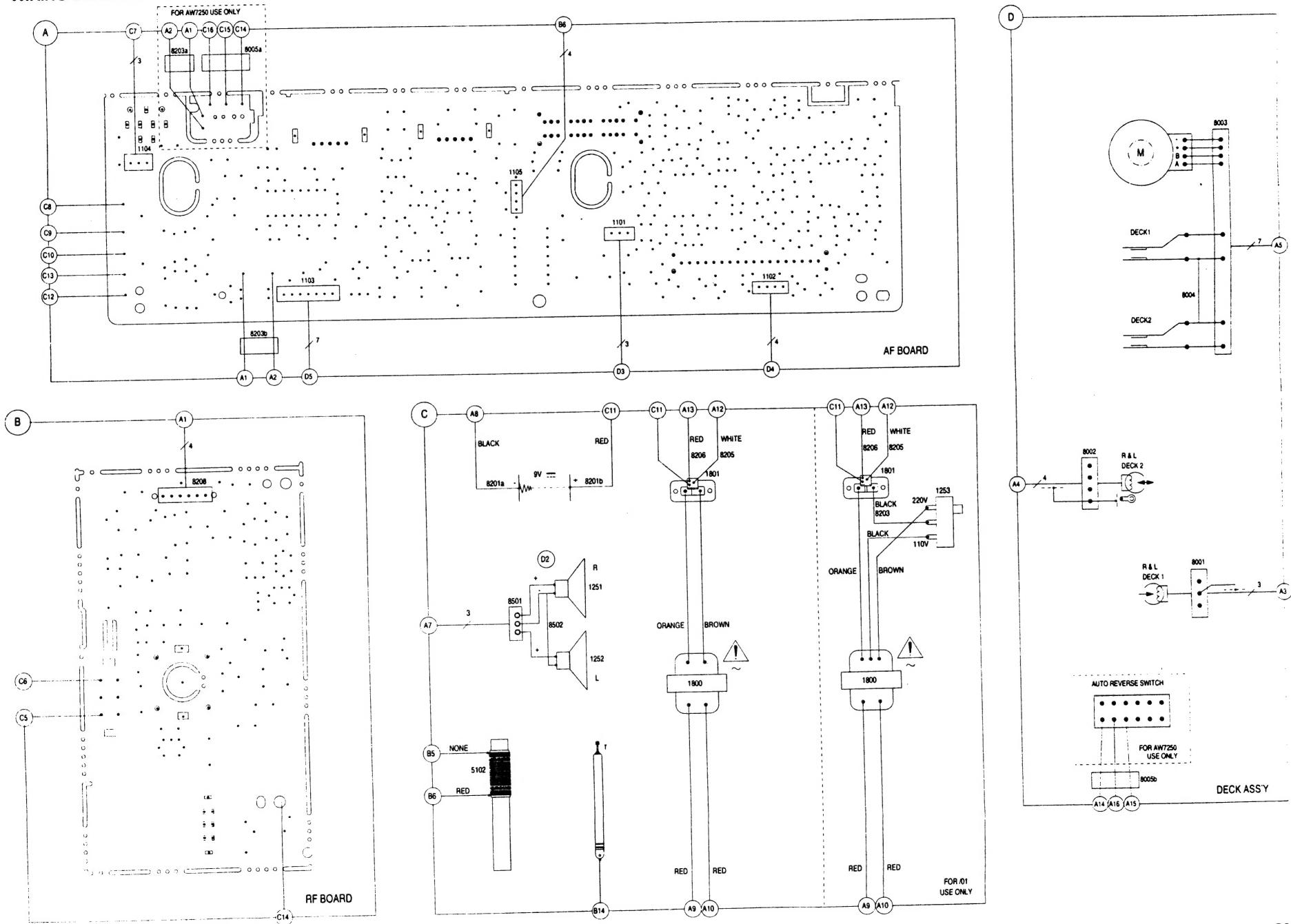
SEQUENCE OF DISASSEMBLING

PARTS	ACTIONS
A. CABINET-REAR	10 SCREWS
B. CABINET-FRONT	PULL OUT
C. TAPE DECK	PULL OUT
D. PCBAS-AUDIO KNOB-VOLUME KNOB-TONE LEVER-RECORDING PCB-AUDIO	PULL OUT PULL OUT PULL OUT 3 SCREWS
E. PCBAS-RF KNOB-TUNING KNOB-BAND PCB-RF	PULL OUT PULL OUT 2 SCREWS

BLOCK DIAGRAM



WIRING DIAGRAM



RADIO ALIGNMENT (FM/MW/LW)

AM IF								
AM or MW	468KHz		min.	5106 5108		max.		
AM RF								
MW * (see fig. 2 & 3)	512KHz		max.	5105	H/P Jack	max.		
	1635KHz		min.	C4				
	550KHz			L2				
	1500KHz			C3				
LW * (see fig. 2 & 3)	147KHz		max.	5109	H/P Jack	max.		
	291KHz		min.	2126				
	155KHz			5103				
	270KHz			2150				
FM IF								
FM #	10.7MHz					symm. 	max. lin.	
FM RF								
FM # (see fig. 2, 4 & 5)	87.35MHz		max.	5104	H/P Jack	max.		
	108.25MHz		min.	C2				
	88MHz			5101				
	106MHz			C1				
FM # for -1/4 (see fig. 2, 4 & 5)	64.7MHz		max.	5104	H/P Jack	max.		
	108.25MHz		min.	C2				
	68MHz			5101				
	106MHz			C1				
STEREO DECODER								
FM #	98MHz		98MHz	3101		152 ± 1KHz		

* Mod. 1KHz 30%

10nF + 15E

Repeat

RADIO ALIGNMENT (FM/MW/SW1/SW2)

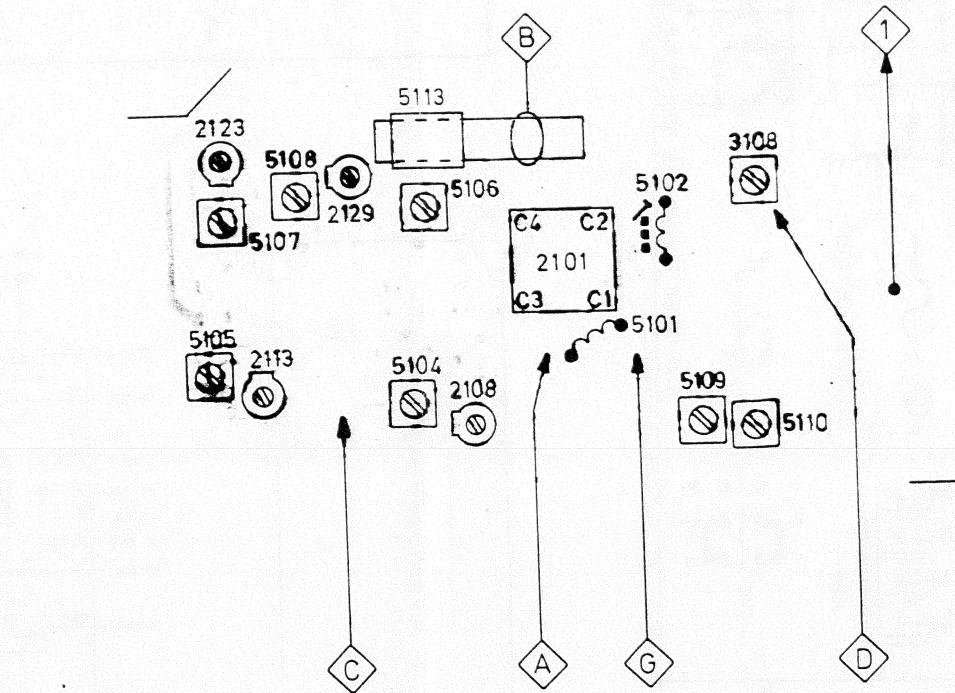
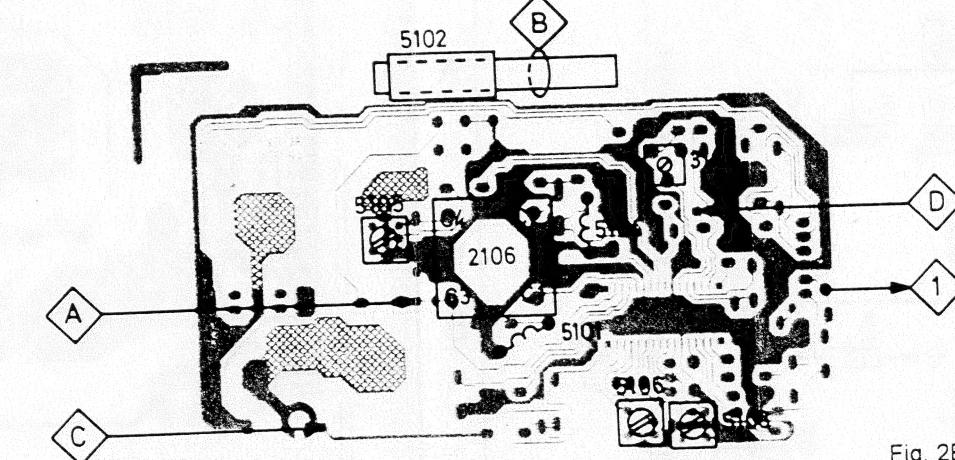
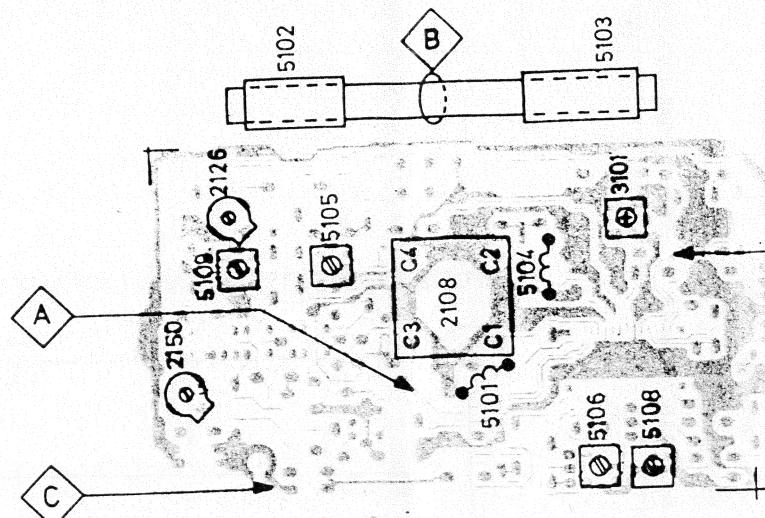
AM IF								
AM or MW	468KHz		min.	5110 5109		max.		
AM RF								
MW * (see fig. 2C & 3)	512KHz		max.	5108	H/P Jack	max.		
	1635KHz		min.	2129				
	550KHz			5113				
	1500KHz			C3				
SW1 * (see fig. 2C, 4 & 6)	2.23MHz		max.	5106	H/P Jack	max.		
	7.5MHz		min.	C4				
	2.5MHz			5104				
	7.2MHz			2108				
SW2 * (see fig. 2C, 4 & 6)	9.2MHz		max.	5107	H/P Jack	max.		
	22.29MHz		min.	2123				
	10MHz			5105				
	21MHz			2113				
FM IF								
FM #	10.7MHz					symm. 	max. lin.	
FM RF								
FM # (see fig. 2, 4 & 5)	87.35MHz		max.	5102	H/P Jack	max.		
	108.25MHz		min.	C2				
	88MHz			5101				
	106MHz			C1				
STEREO DECODER								
FM #	98MHz		98MHz	3108		152 ± 1KHz		

* Mod. 1KHz 30%

10nF + 15E

Repeat

ALIGNMENT LOCATION



5a

Fig. 2C

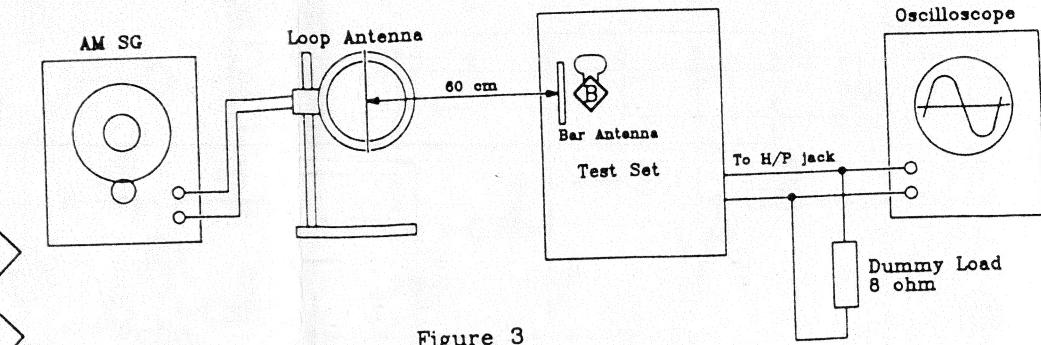


Figure 3

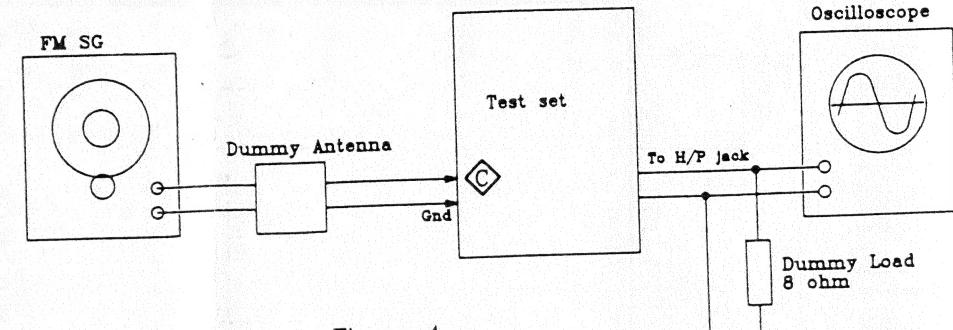


Figure 4

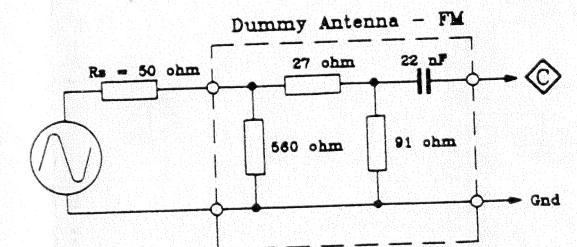


Figure 5

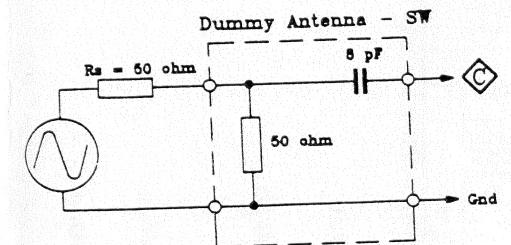
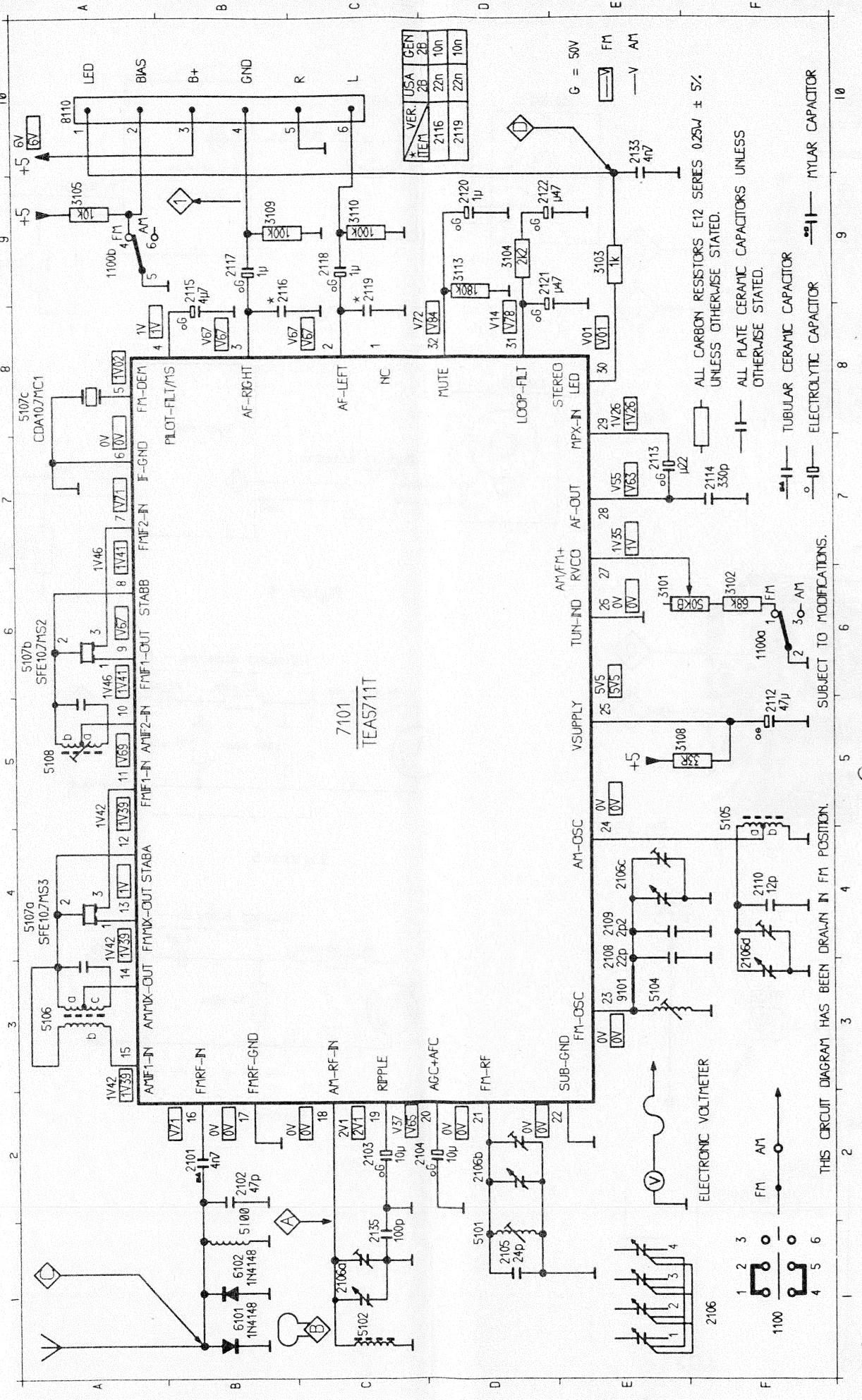


Figure 6

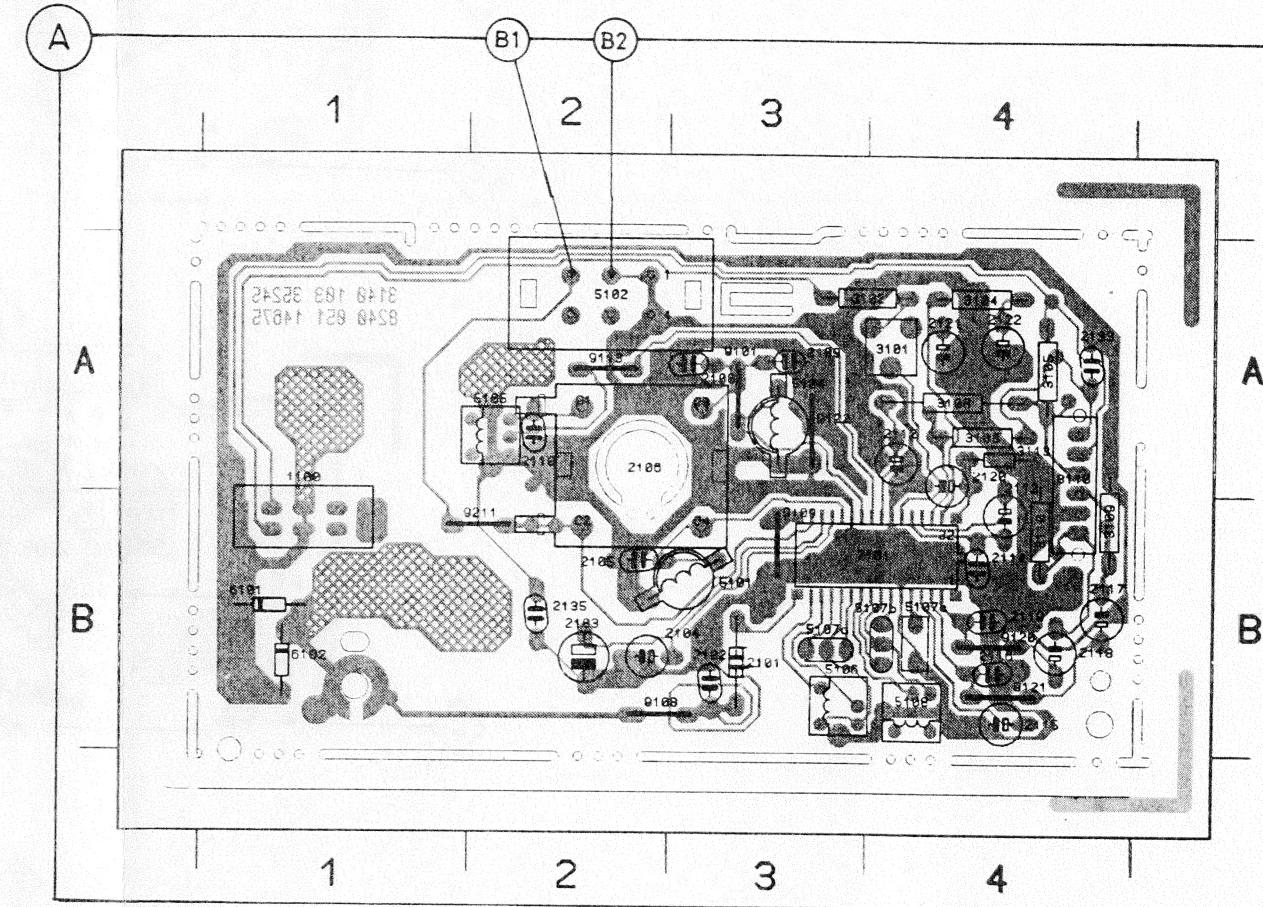
5b

TUNER BOARD (FM/MW) - CIRCUIT DIAGRAM

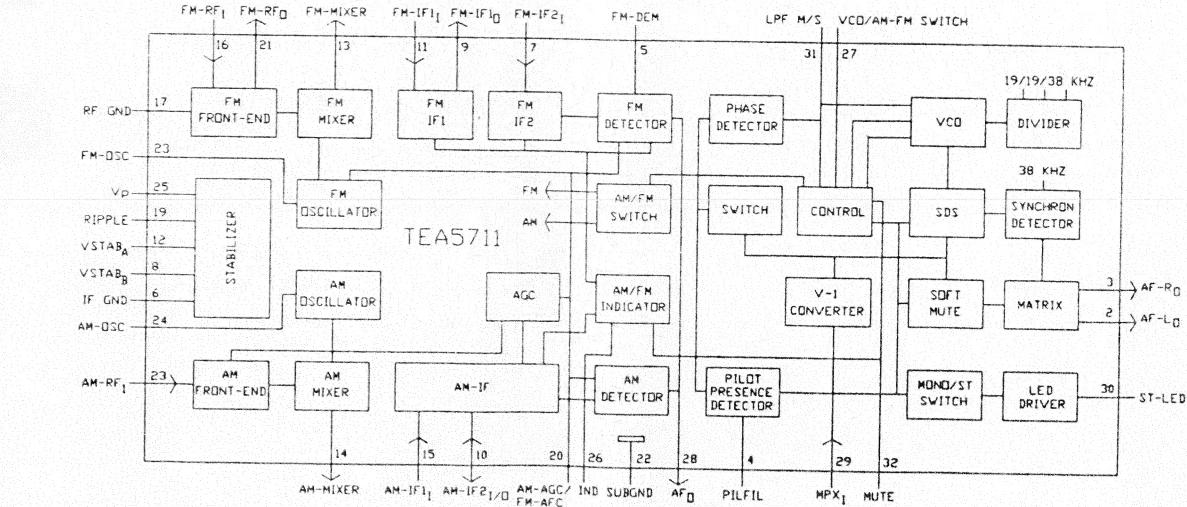
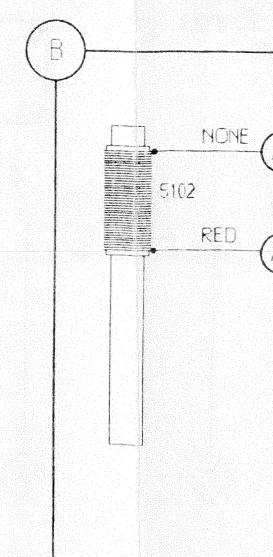
1100a	F	6	2103	C	2	2106b	D	2	2109	E	4	2114	F	7	2118	C	9	2122	D	9	2126	F	5	5105	F	5	5107c	A	8			
1100b	F	6	2104	C	2	2106c	E	4	2110	F	4	2115	B	9	2119	C	9	2133	E	9	2137	B	9	3108	E	5	5108	A	5			
2101	B	2	2105	D	1	2106d	F	4	2112	F	5	2116	B	9	2120	D	9	2135	C	1	3103	B	9	5101	D	1	5106	A	3			
2102	B	2	2106a	C	1	2108	E	4	2113	E	7	2117	B	9	2121	D	9	3101	E	6	3113	D	9	3104	E	3	5102	C	1	5107a	A	4
																										5107b	A	6				



TUNER BOARD (FM/MW) - LAYCUT DIAGRAM

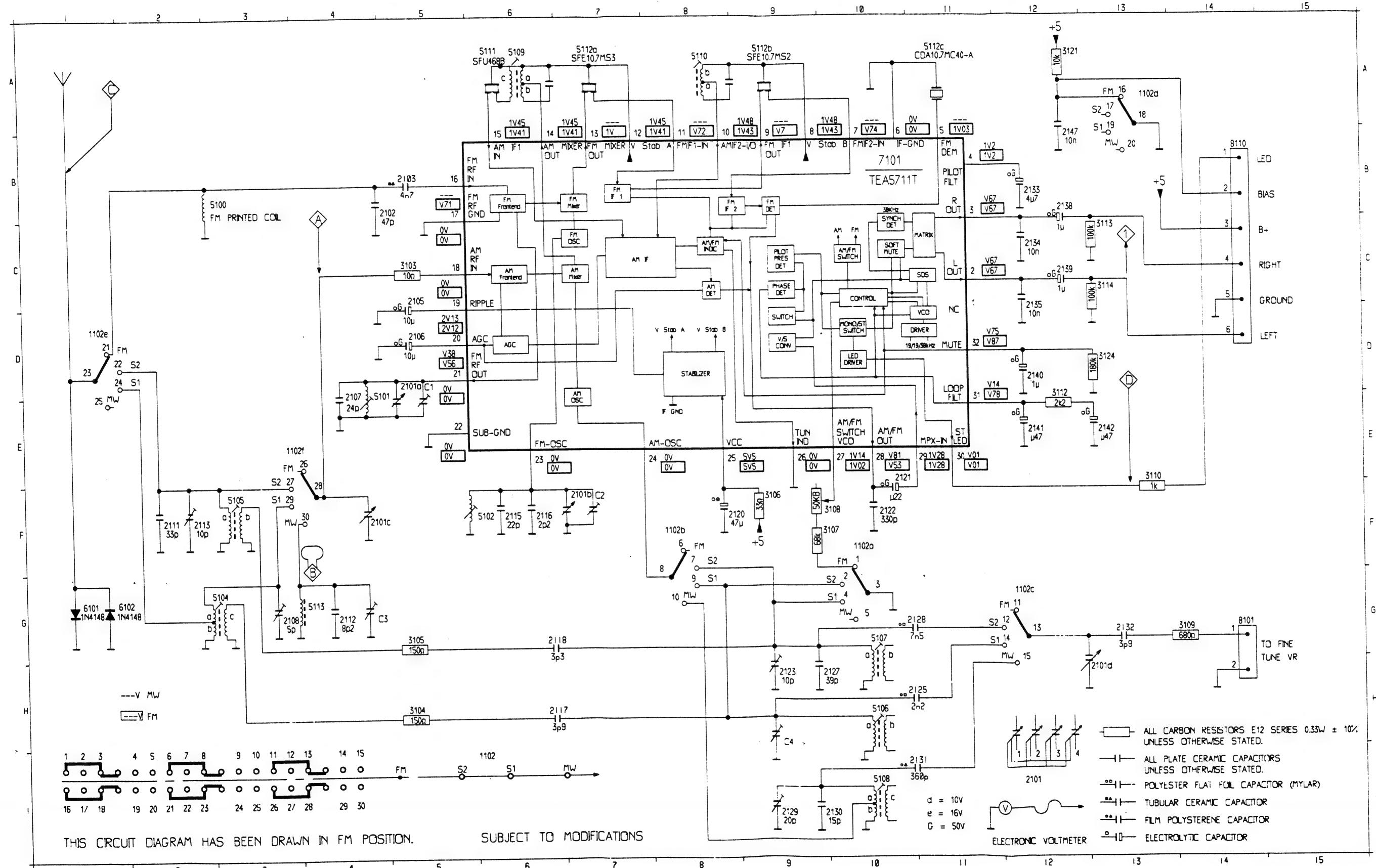


1100 B 1	5106 B 3
2101 B 3	5107a B 3
2102 B 3	5107b B 4
2103 B 2	5107c B 4
2104 B 2	5108 B 4
2105 B 2	5109 B 1
2106 A 2	5102 B 1
2108 A 3	7101 B 4
2109 A 3	8110 A 4
2110 A 2	9101 A 3
2112 A 4	9108 B 2
2113 B 4	9109 B 3
2114 B 4	9113 A 2
2115 B 4	9120 B 4
2116 B 4	9121 B 4
2117 B 4	9122 A 3
2118 B 4	9211 B 2
2119 B 4	
2120 A 4	
2121 A 4	
2122 A 4	
2133 A 4	
2135 B 2	
3101 A 4	
3102 A 3	
3103 A 4	
3104 A 4	
3105 A 4	
3108 A 4	
3109 B 4	
3110 B 4	
3113 A 4	
5101 B 3	
5102 A 2	
5104 A 3	
5105 A 2	



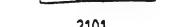
TUNER BOARD (FM/MW/SW1/SW2) - CIRCUIT DIAGRAM

1102a	F10	1102c	D 1	2101c	F 4	2105	C 5	2111	F 2	2116	F 6	2121	E10	2127	H10	2131	I11	2135	D12	2141	E12	3104	H5	3108	F10	3113	C13	5100	B 3	5105	F 3	5109	A 6	5115	A 9	6102	G 1	C3	G 4
1102b	F8	1102d	E 3	2101d	H13	2106	D5	2112	G4	2117	H6	2122	F10	2128	G11	2132	G13	2138	D12	2142	E12	3105	G5	3109	G14	3114	C13	5101	F 2	5106	H10	5110	A 8	5112	A 11	7101	B 0	C4	H 9
1102c	G12	2101a	D 5	2102	B5	2102	E5	2113	F2	2118	G6	2123	H9	2129	I9	2133	C12	2139	B12	2147	B12	3106	E13	3110	A12	3121	A12	5102	F 6	5107	G10	5111	A 6	5113	G 4	8101	G14		
1102d	A13	2101b	F7	2103	B5	2108	G3	2115	F6	2120	F8	2125	H11	2130	I10	2134	C12	2140	D12	3103	C5	3107	F10	3112	E12	3124	D13	5104	G 3	5108	I10	5112a	A 7	6101	G 1	8110	B14		



THIS CIRCUIT DIAGRAM HAS BEEN DRAWN IN FM POSITION

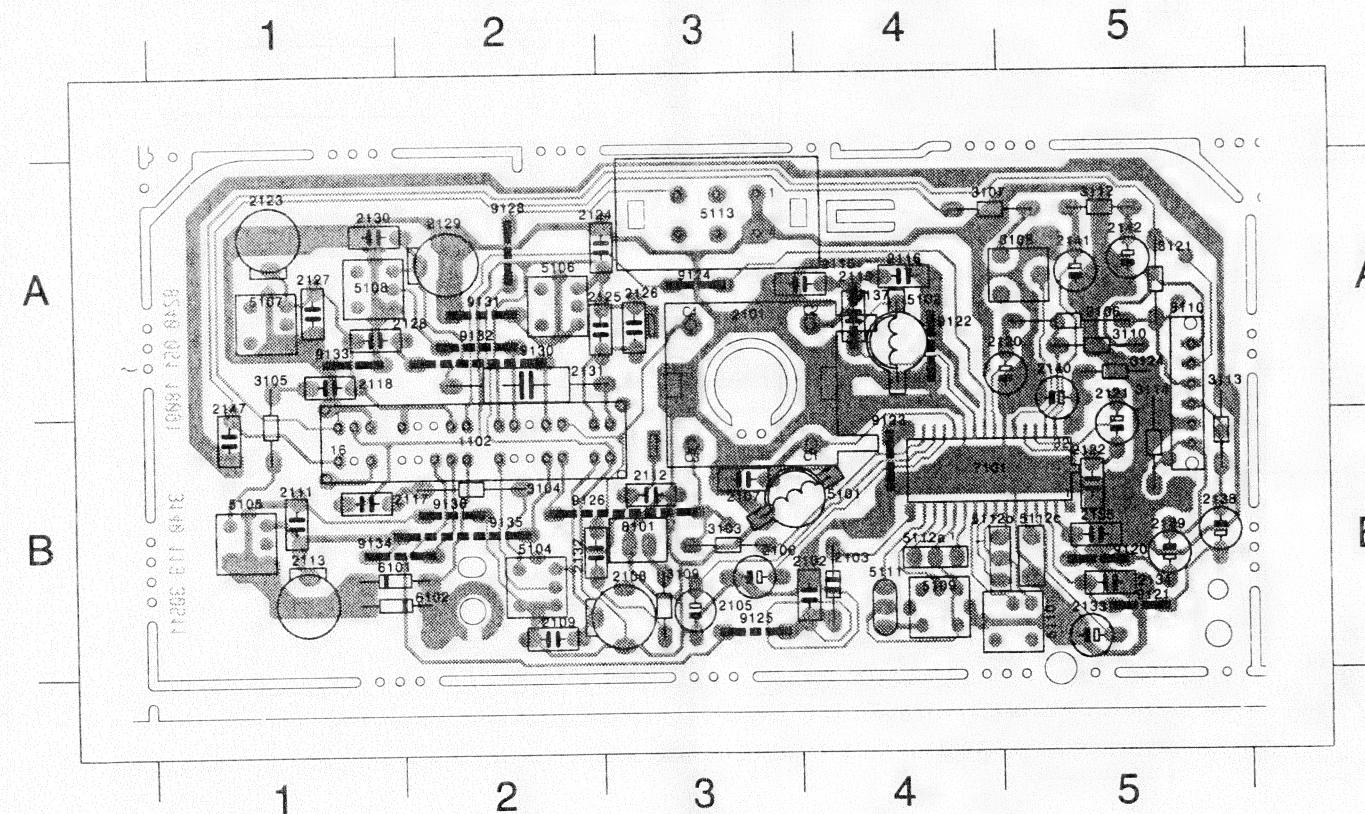
SUBJECT TO MODIFICATIONS


2101

ELECTRONIC VOLTMETER

- ALL CARBON RESISTORS E12 SERIES 0.33W ± 10% UNLESS OTHERWISE STATED.
- ||— ALL PLATE CERAMIC CAPACITORS UNLESS OTHERWISE STATED.
- ♦— POLYESTER FLAT FOIL CAPACITOR (MYLAR)
- *— TUBULAR CERAMIC CAPACITOR
- **— FILM POLYSTYRENE CAPACITOR
- ELECTROLYTIC CAPACITOR

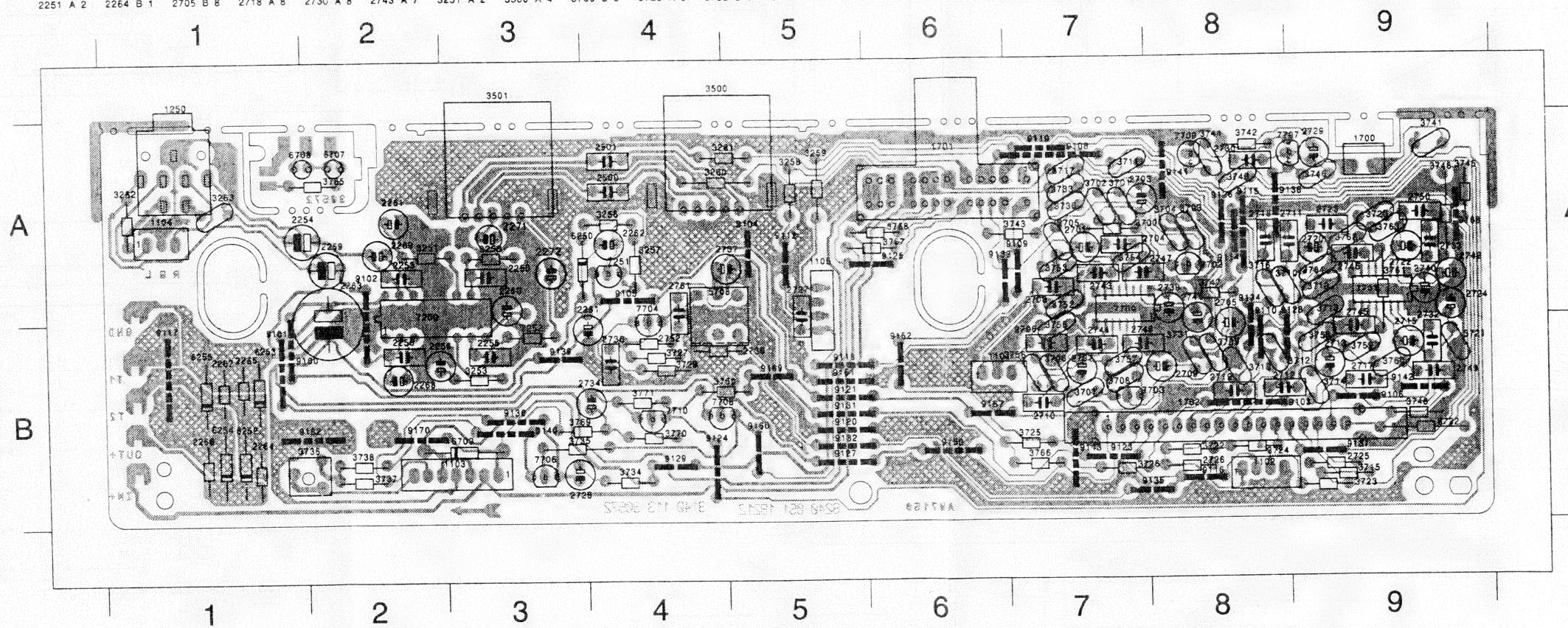
TUNER BOARD (FM/MW/SW1/SW2) - LAYOUT DIAGRAM

1102 B 2 2109 B 2 2119 A 4 2127 A 1 2135 B 5 3104 B 2 3113 B 5 5106 A 2 5112c B 5 9121 B 5 9131 A 2
 2101 A 3 2111 B 1 2120 A 5 2128 A 1 2136 B 5 3105 B 1 3114 B 5 5107 A 1 5113 A 3 9122 A 4 9132 A 2
 2102 B 4 2112 B 3 2121 B 5 2129 A 2 2139 B 5 3106 A 5 3121 A 5 5108 A 1 6101 B 1 9123 B 4 9133 A 1
 2103 B 4 2113 B 1 2122 B 5 2130 A 1 2140 A 5 3107 A 4 3124 A 5 5109 B 4 6102 B 1 9124 A 3 9134 B 1
 2105 B 3 2115 A 4 2123 A 1 2131 A 2 2141 A 5 3108 A 5 5101 B 3 5110 B 5 7101 B 4 9125 B 3 9135 B 2
 2106 B 3 2116 A 4 2124 A 3 2132 B 2 2142 A 5 3109 B 3 5102 A 4 5111 B 4 8101 B 3 9126 B 3 9136 B 2
 2107 B 3 2117 B 1 2125 A 3 2133 B 5 2147 B 1 3110 A 5 5104 B 2 5112a B 4 8110 A 5 9128 A 2 9137 A 4
 2108 B 3 2118 A 1 2126 A 3 2134 B 5 3103 B 3 3112 A 5 5105 B 1 5112b B 4 9120 B 5 9130 A 2

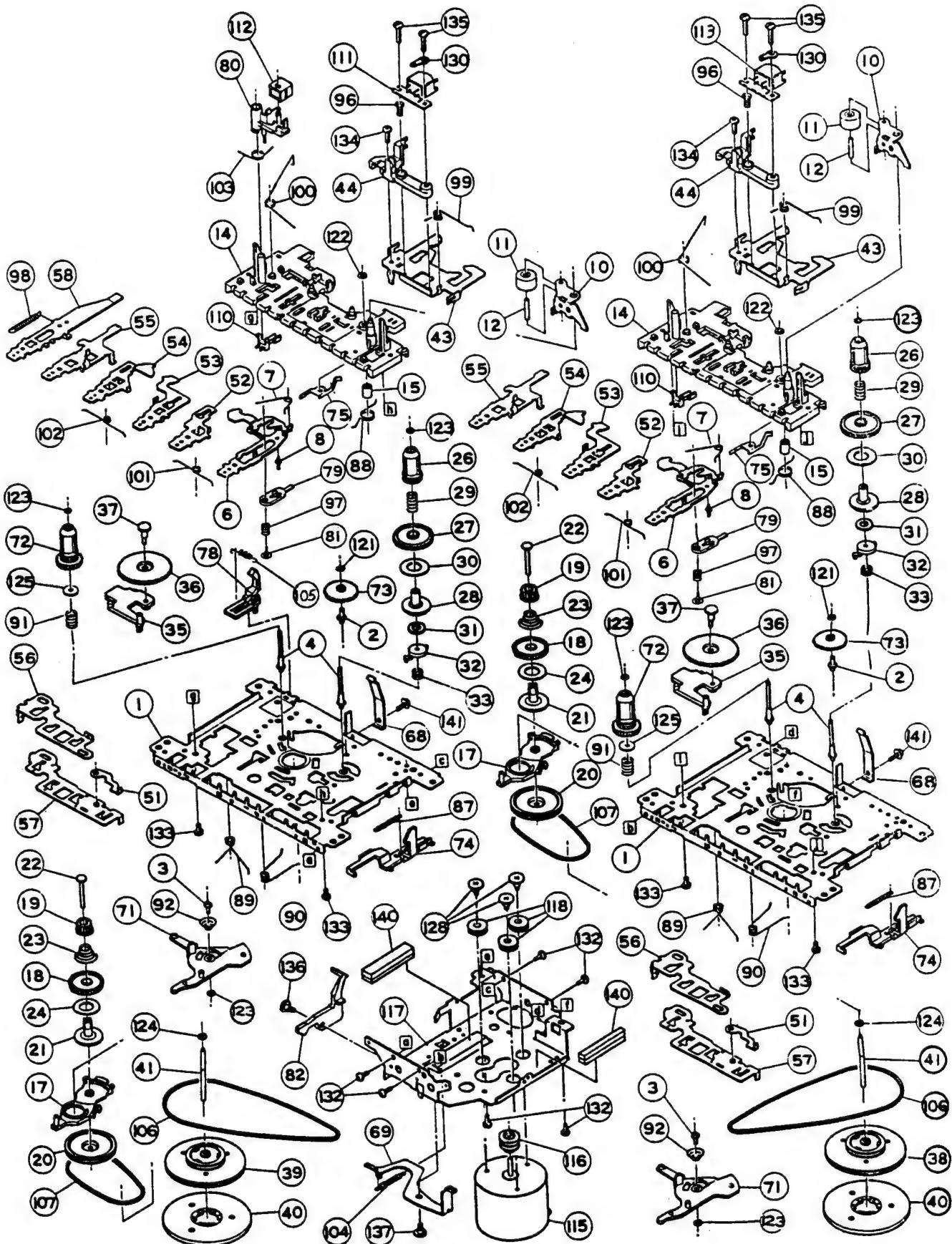


MAIN BOARD - LAYOUT DIAGRAM

1101	B	6	2253	A	2	2265	B	1	2706	B	7	2719	B	8	2732	B	9	2744	B	7	3252	B	3	3501	A	3	3710	A	8	3721	B	9	3733	A	7	3745	A	9	3757	B	7	3768	A	6	6708	A	2	7708	B	4	9109	A	7	9121	B	5	9134	B	8	9160	B
1102	B	8	2254	A	1	2266	B	1	2707	B	7	2720	A	9	2733	A	9	2745	B	9	3253	B	3	3700	A	7	3711	A	7	3722	B	8	3734	B	4	3746	B	9	3758	B	9	3769	B	3	6709	B	3	7709	A	8	9110	B	8	9123	B	7	9135	B	8	9161	B
1103	B	3	2255	B	3	2267	B	1	2708	A	7	2722	A	9	2734	B	4	2746	A	9	3256	A	4	3701	A	7	3712	B	8	3723	B	9	3735	B	3	3747	A	8	3759	B	9	3770	B	4	7250	A	2	7710	B	4	9112	A	5	9124	B	4	9136	B	3	9162	B
1104	A	1	2256	B	2	2268	B	2	2709	B	8	2723	A	9	2736	B	4	2747	A	7	3257	A	4	3702	A	7	3713	A	9	3724	B	8	3736	B	2	3748	A	9	3760	B	9	3771	B	4	7251	A	4	9100	B	1	9113	B	7	9125	A	6	9137	B	9	9167	B
1105	A	5	2258	B	2	2269	A	2	2710	B	7	2724	A	9	2737	A	5	2748	B	7	3258	A	5	3703	A	8	3714	B	9	3725	B	7	3737	B	2	3749	A	8	3761	A	9	5708	A	4	7700	A	7	9101	B	1	9114	A	8	9126	A	8	9138	A	8	9168	B
1250	A	1	2259	A	2	2500	A	4	2711	A	9	2725	B	9	2738	B	4	2749	B	9	3259	A	5	3704	A	8	3715	B	9	3726	B	7	3738	E	2	3750	B	4	3762	A	9	6250	A	3	7701	A	9	9102	B	2	9115	A	8	9127	B	5	9139	B	3	9168	B
1700	A	9	2260	A	3	2501	A	4	2712	B	8	2726	B	6	2739	A	8	2750	A	9	3260	A	4	3705	A	7	3716	A	6	3727	B	4	3740	A	9	3752	A	7	3763	A	9	6252	B	1	7702	A	8	9103	B	8	9116	B	6	9128	B	8	9140	B	3	9170	B
1701	A	6	2261	B	4	2701	A	7	2713	B	9	2727	A	5	2740	A	9	2751	A	5	3261	A	5	3706	B	7	3717	A	7	3729	B	4	3741	A	9	3753	A	7	3764	A	9	6253	B	1	7703	B	7	9104	A	5	9117	B	1	9129	B	4	9141	A	8		
1702	B	8	2262	A	4	2703	A	7	2715	B	9	2728	B	3	2741	B	8	2752	B	4	3262	A	1	3707	B	7	3718	B	8	3730	A	7	3742	A	8	3754	A	7	3765	A	2	6254	B	1	7704	B	4	9105	A	5	9118	B	5	9131	B	5	9142	B	9		
2250	A	3	2263	B	2	2704	A	7	2717	B	9	2729	A	9	2742	A	9	3250	A	3	3263	A	1	3708	B	7	3719	A	9	3731	B	6	3743	A	7	3755	B	7	3766	B	7	6255	B	1	7706	B	3	9106	B	9	9119	A	7	9132	B	5	9150	B	6		
2251	A	2	2264	B	1	2705	B	8	2718	A	8	2730	A	8	2743	A	7	3251	A	2	3500	A	4	3709	B	8	3722	B	9	3744	A	8	3756	B	7	3767	A	6	6707	A	2	7707	A	9	9108	A	7	9120	B	5	9133	A	6	9152	B	6					

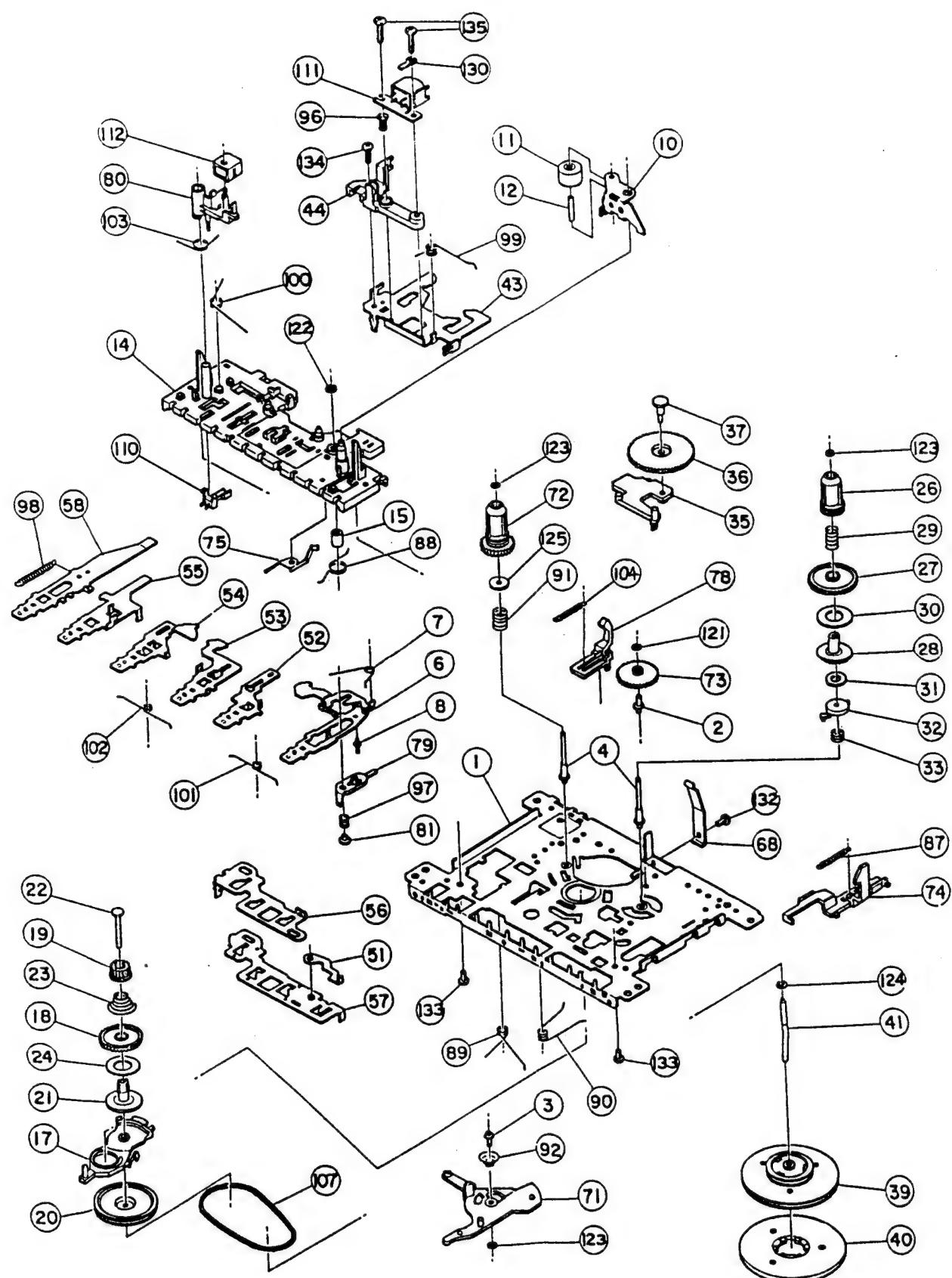


EXPLODED VIEW DIAGRAM - TAPE DECK (AW7150)

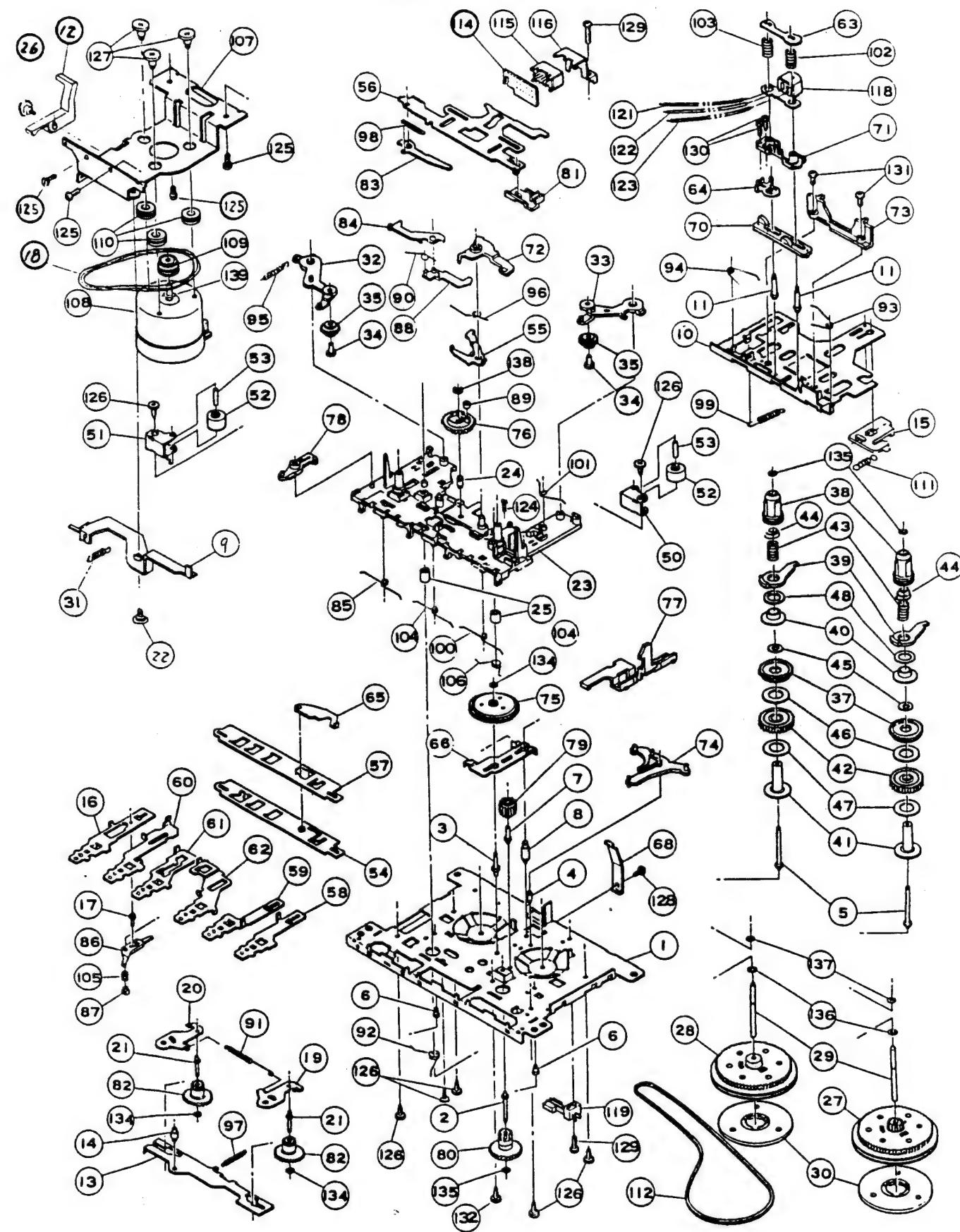


EXPLODED VIEW DIAGRAM - TAPE DECK (AW7250)

**CDS-883 EXPLODED VIEW
(CDS-83 PORTION)**

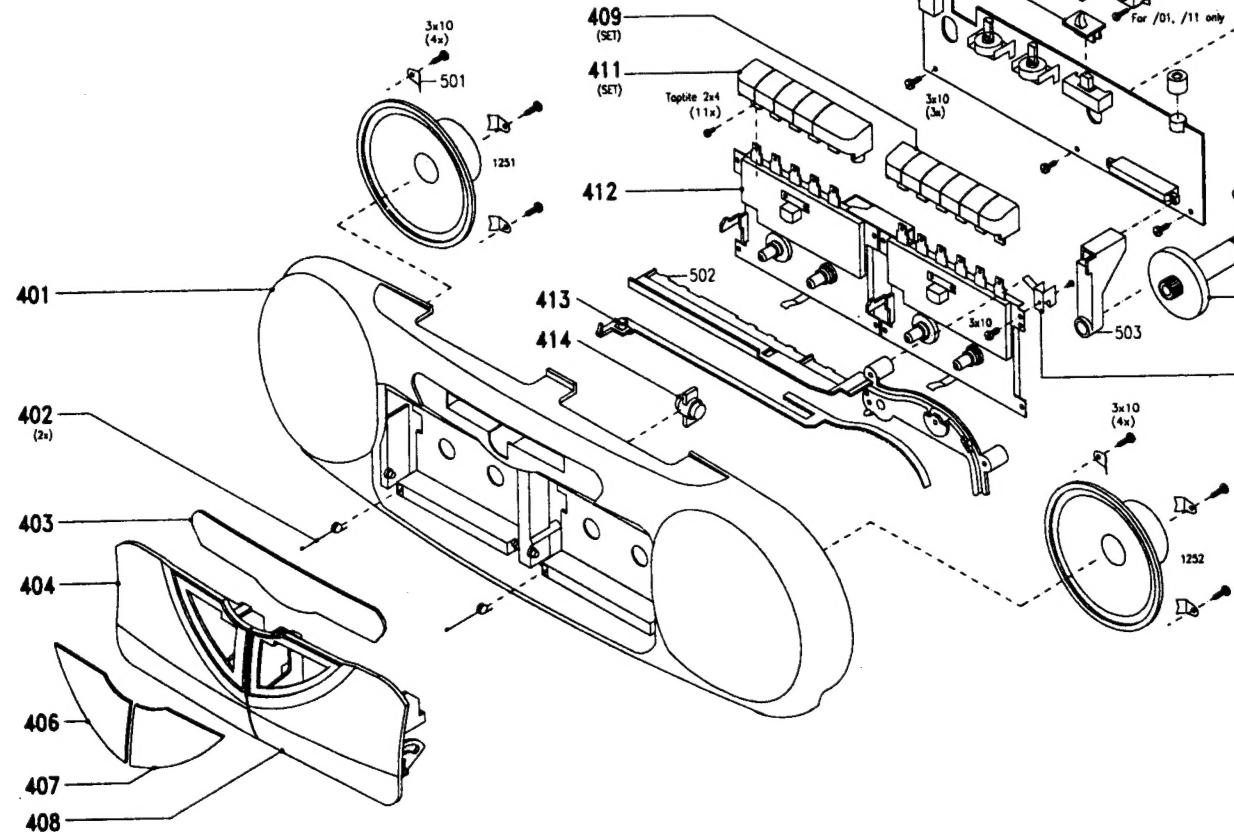


**CDS-883 EXPLODED VIEW
(CDS-88 PORTION)**

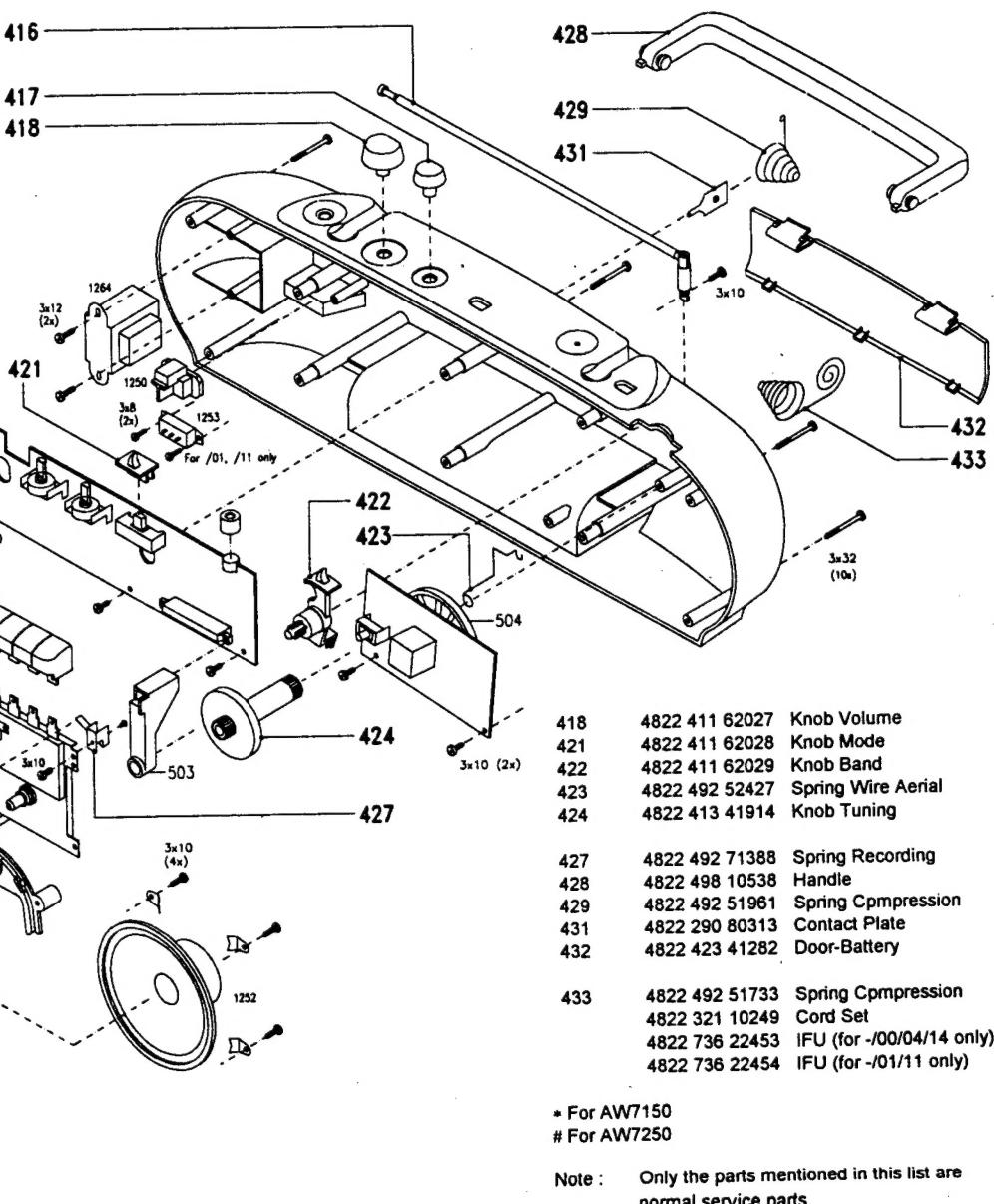


MECHANICAL PARTSLIST - CABINET

401	4822 423 51205	Front Cabinet Assy	408	#	4822 443 64494	Door Cass (R)
402	4822 492 42709	Spring Door	409		4822 410 63796	Knob Cass (R)
403 *	4822 450 62461	Lens Tuning (for -/00/01 only)	411 *		4822 410 63795	Knob Cass (L)
403 *	4822 450 62462	Lens Tuning (for -/04 only)	411 #		4822 410 63797	Knob Cass (L) A/R
403 *	4822 450 62463	Lens Tuning (for -/11 only)	412 *		4822 691 21033	Tape Mechanism
403 *	4822 450 62464	Lens Tuning (for -/14 only)	412 #		4822 691 10441	Tape Mechanism
403 #	4822 450 62465	Lens Tuning (for -/00 only)	413		4822 450 81228	Pointer
403 #	4822 450 62473	Lens Tuning (for -/11 only)	414		4822 529 10278	Damper Assy
403 #	4822 450 62474	Lens Tuning (for -/14 only)	416		4822 303 30298	Telescopic Aerial
404 *	4822 443 64491	Door Cass (L)	417		4822 411 62031	Knob Tone
404 #	4822 443 64493	Door Cass (L)				
406 *	4822 381 11614	Lens Door (L)				
406 #	4822 381 11616	Lens Door (L)				
407	4822 381 11615	Lens Door (R)				
408 *	4822 443 64492	Door Cass (R)				



EXPLODED VIEW DIAGRAM - CABINET



TUNER BOARD (FM/MW)



2101	4822 122 32764	4,7nF 20% 50V
2102	4822 126 12812	47pF 5% 50V
2103	4822 124 40248	10µF 20% 63V
2104	4822 124 40248	10µF 20% 63V
2105	4822 126 12814	24pF 5% N220 50V
2106	4822 125 50681	Polyvaricon
2108	4822 122 32147	22pF 2% N470 100V
2109	4822 126 12809	2,2pF 5% N470 50V
2110	4822 126 13592	5,6pF±0,5pF N1500
2112	4822 124 41397	47µF 20% 25V
2113	4822 126 13581	0,22µF 20% 50V
2114	4822 126 12671	330pF 10% YB 50V
2115	4822 124 40246	4,7µF 20% 63V
2116	4822 124 80141	10nF 10% 50V
2117	4822 124 40242	1µF 20% 63V
2118	4822 124 40242	1µF 20% 63V
2119	4822 124 80141	10nF 10% 50V
2120	4822 124 40242	1µF 20% 63V
2121	4822 124 40239	0,47µF 20% 63V
2122	4822 124 40239	0,47µF 20% 63V
2133	4822 126 12672	4,7nF 10% 50V
2135	4822 126 10777	100pF 50V



3101	4822 100 20167	50K 30%LIN 0,1W
3102	4822 116 52297	68K 5% 0,5W
3103	4822 116 83863	1K 5% 0,5W
3104	4822 116 52256	2K2 5% 0,5W
3105	4822 116 83864	10K 5% 0,5W
3108	4822 116 52191	33R 5% 0,5W
3109	4822 116 52234	100K 5% 0,5W
3110	4822 116 52234	100K 5% 0,5W
3113	4822 116 52252	180K 5% 0,5W



5101	4822 157 70513	Coil - FM ant
5102	4822 157 70731	Coil - MW/LW ant. assy
5104	4822 156 30947	Coil - FM osc
5105	4822 157 71145	Coil - MW osc
5106	4822 157 70499	IFT - AM

5107	4822 242 81154	FM cer. Filter Kits
5108	4822 156 11146	IFT - AM



6101	4822 130 30621	1N4148
6102	4822 130 30621	1N4148



7101	4822 209 32746	TEA5711T/N2
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- MISCELLANEOUS -

1100	4822 277 21698	Switch - slide
1201	4822 526 10176	Rod

4822 256 90463 Holder Ferrite Bar

TUNER BOARD (FM/MW/LW)



2101	4822 122 32764	4,7nF 20% 50V
2102	4822 126 12812	47pF 5% 50V
2103	4822 124 40248	10µF 20% 63V
2104	4822 124 40248	10µF 20% 63V
2105	# 4822 126 12828	24pF 5% 50V

2105	• 4822 126 12283	8,2pF 5% N220
2106	# 4822 125 50681	Polyvaricon
2106	• 4822 125 50648	Polyvaricon
2107	• 4822 126 12827	390pF 5% N1500
2108	# 4822 122 32147	22pF 2% N470 100V

2108	• 4822 126 12284	5,6pF±0,5pF N1500
2109	4822 126 12809	2,2pF 5% N470 50V
2110	4822 126 12284	5,6pF 0,5% N1500 50V
2112	4822 124 41397	47µF 20% 25V
2113	4822 126 13581	0,22µF 20% 50V

2114	4822 126 12671	330pF 10% 50V
2115	4822 124 40246	4,7µF 20% 63V
2116	4822 124 80141	10nF 10% 50V
2117	4822 124 40242	1µF 20% 63V
2118	4822 124 40242	1µF 20% 63V

2118	4822 124 80141	10nF 10% 50V
2120	4822 124 40242	1µF 20% 63V
2121	4822 124 40239	0,47µF 20% 63V
2122	4822 124 40239	0,47µF 20% 63V
2125	4822 126 12826	120pF 50% N750 50V

3101	4822 100 20167	50K 30%LIN 0,1W
3102	4822 116 52297	68K 5% 0,5W
3103	4822 116 83863	1K 5% 0,5W
3104	4822 116 52256	2K2 5% 0,5W
3105	4822 116 83864	10K 5% 0,5W

3108	4822 116 52191	33R 5% 0,5W
3109	4822 116 52234	100K 5% 0,5W
3110	4822 116 52234	100K 5% 0,5W
3113	4822 116 52252	180K 5% 0,5W



5101	# 4822 157 70513	Coil - FM ant
5101	• 4822 157 70762	Coil - Choke 4.5T D5
5102	4822 158 60627	Coil MW/LW ant. assy
5104	# 4822 156 30947	Coil - FM osc
5104	• 4822 157 70033	Coil - FM osc



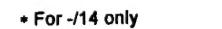
6101	4822 130 30621	1N4148
6102	4822 130 30621	1N4148



7101	4822 209 32746	TEA5711T/N2
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1100	4822 277 30933	Switch - slide
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Note : Only the parts mentioned in this list are normal service parts.

TUNER BOARD (FM/MWSW1/SW2)

2101	4822 125 50597	PVC 335PX2/20PX2
2102	4822 126 12812	47pF 5% 50V
2103	4822 126 11714	4,7nF 20% 16V
2105	4822 124 40248	10µF 20% 50V
2106	4822 124 40248	10µF 20% 50V
2107	4822 126 12814	24pF 5% N220 50V
2108	4822 125 50077	1,4pF - 5,5pF 250V
2111	4822 126 13625	39pF 5% 50V
2112	4822 126 12283	8pF 0,5% 50V
2113	4822 125 50062	1,4pF - 10pF 250V
2115	4822 126 12122	22pF 5% 50V
2116	4822 126 12809	2,2pF 0,5% 50V
2117	4822 126 12337	3,9pF 0,5% 50V
2118	4822 122 31821	3,3pF 0,5% 50V
2120	4822 124 41397	47µF 20% 25V
2121	4822 126 13581	0,22µF 20% 50V
2122	4822 126 12671	330pF 10% 50V
2123	4822 125 50062	1,4pF - 10pF 250V
2125	4822 121 70099	2,2nF 10% 50V
2127	4822 126 12637	39pF 5% 50V N1500
2128	4822 121 70172	50V 7,5nF 10% 50V
2129	4822 125 50045	1,8pF - 22pF 250V
2130	4822 128 12689	15pF 5% 50V N750
2131	4822 121 51254	360pF 1% 400V
2132	4822 126 12337	9pF 0,5% 50V N1500
2133	4822 124 40246	4,7µF 20% 50V
2134	4822 121 51304	10nF 10% 50V
2135	4822 121 51304	10nF 10% 50V
2138	4822 124 40242	1µF 20% 50V
2139	4822 124 40242	1µF 20% 50V
2140	4822 124 40242	1µF 20% 50V
2141	4822 124 40239	0,47µF 20% 50V
2142	4822 124 40239	0,47µF 20% 50V
2147	4822 122 33307	10nF 80% 50V M20
3103	4822 116 52178	10R 5% 0,5W
3104	4822 116 52211	150R 5% 0,5W
3105	4822 116 52211	150R 5% 0,5W
3108	4822 116 52191	33R 5% 0,5W
3107	4822 116 52297	68K 5% 0,5W

ELECTRICAL PARTS LIST

3108	4822 100 20167	50K 5% 0,5W
3109	4822 116 52228	680R 5% 0,5W
3110	4822 116 83863	1K 5% 0,5W
3112	4822 116 52256	2K2 5% 0,5W
3113	4822 116 52234	100K 5% 0,5W
3114	4822 116 52234	100K 5% 0,5W
3121	4822 116 83864	10K 5% 0,5W
3124	4822 116 52252	180K 5% 0,5W
5101	4822 157 70513	Coil FM
5102	4822 156 30947	RF Coil 1,5 Turns
5104	4822 157 70501	Sw1 - Aerial Coil
5105	4822 156 10725	Sw2 - Aerial Coil
5106	4822 157 70502	Sw1 - Osc Coil
5107	4822 156 10725	Sw2 - Osc Coil
5108	4822 157 70696	Coil M/O
5109	4822 157 70499	IFT-AM
5110	4822 156 11146	IFT-AM
5111	4822 242 71139	Fil Cer SFU468B
5112	4822 242 81154	Cerkit KMFC5058-Z
5113	4822 158 60623	Bar-Coil Assy MW
6101	4822 130 30621	1N4148
6102	4822 130 30621	1N4148
7101	4822 209 32746	TEA5711T/N2
- MISCELLANEOUS -		
1102	4822 277 21793	Slide Switch 6P4T

Note : Only the parts mentioned in this list are normal service parts.

2250	4822 126 11592	1nF 10% 50V
2251	5322 124 41431	22µF 20% 35V
2253	5322 121 42661	330nF 5% 63V
2254	4822 124 81177	220µF 20% 10V
2255	4822 126 11592	1nF 10% 50V
2256	5322 124 41431	22µF 20% 35V
2258	5322 121 42661	330nF 5% 63V
2259	4822 124 81177	220µF 20% 10V
2260	4822 124 40196	220µF 20% 16V
2261	4822 124 81178	470µF 20% 16V
2262	4822 124 41643	100µF 20% 16V
2263	4822 124 40723	2200µF 20% 16V
2264	4822 126 11585	22nF+80-20% Y5V 25V
2265	4822 126 11585	22nF+80-20% Y5V 25V
2266	4822 126 11585	22nF+80-20% Y5V 25V
2267	4822 126 11585	22nF+80-20% Y5V 25V
2268	4822 124 41643	100µF 20% 16V
2269	4822 124 41643	100µF 20% 16V
2500	4822 121 43145	33nF 10% 50V
2501	4822 121 43145	33nF 10% 50V
2701	4822 124 40433	47µF 20% 25V
2703	5322 124 41431	22µF 20% 35V
2704	4822 121 51305	15nF 10% 50V
2705	5322 124 41431	22µF 20% 35V
2706	4822 122 33197	1nF 10% 50V
2707	4822 124 40433	47µF 20% 25V
2708	4822 122 33197	1nF 10% 50V
2709	5322 124 41431	22µF 20% 35V
2710	4822 121 51305	15nF 10% 50V
2711	4822 126 13632	22nF 20% 50V
2712	4822 122 33197	1nF 10% 50V
2713	4822 124 40433	47µF 20% 25V
2715	5322 124 41431	22µF 20% 35V
2717	4822 121 51305	15nF 10% 50V
2718	4822 126 13632	22nF 20% 50V
2719	4822 122 33197	1nF 10% 50V
2720	4822 124 40433	47µF 20% 25V
2722	5322 124 41431	22µF 20% 35V
2723	4822 121 51305	15nF 10% 50V
2724	5322 124 41431	22µF 20% 35V
2725	4822 126 12148	2,7nF 10%
2726	4822 126 12148	2,7nF 10%
2727	4822 122 31125	4,7nF 80% 63V
2728	4822 124 40433	47µF 20% 25V
2729	4822 124 81176	1µF 20% 50V

2730	4822 126 13631	1nF 20% 50V
2732	4822 126 12882	100nF +80-20% 50V
2733	4822 126 12882	100nF +80-20% 50V
2734	4822 124 40433	47µF 20% 25V
2736	4822 122 33197	1nF 10% 50V
2737	4822 124 40242	1µF 20% 63V
2738	4822 126 12147	22nF 10% Y5R 25V
2739	4822 124 41643	100µF 20% 16V
2740	4822 124 41643	100µF 20% 16V
2741	4822 124 40248	10µF 20% 63V
2742	4822 124 40248	10µF 20% 63V
2743	5322 122 32311	470pF 10% 100V
2744	5322 122 32311	470pF 10% 100V
2745	5322 122 32311	470pF 10% 100V
2746	5322 122 32311	470pF 10% 100V
2747	4822 126 10777	100pF 50V
2748	4822 126 10777	100pF 50V
2749	4822 126 10777	100pF 50V
2750	4822 126 10777	100pF 50V
2751	4822 121 51304	10NF 10% 50V
2752	4822 126 11714	4,7nF 20%
3250	4822 116 52224	470R 5% 0,5W
3251	4822 116 52184	18R 5% 0,5W
3252	4822 116 52224	470R 5% 0,5W
3253	4822 116 52184	18R 5% 0,5W
3256	4822 116 52217	270R 5% 0,5W
3257	4822 116 83863	1K 5% 0,5W
3258	4822 116 52257	22K 5% 0,5W
3259	4822 116 52257	22K 5% 0,5W
3260	4822 116 52284	47K 5% 0,5W
3261	4822 116 52284	47K 5% 0,5W
3262	4822 116 52211	150R 5% 0,5W
3263	4822 116 52211	150R 5% 0,5W
3500	4822 101 21163	50KA
3501	4822 273 10295	Rot VR 50KB Vol.
3700	4822 116 52197	56R 5% 0,5W
3701	4822 116 52276	3K9 5% 0,5W
3702	4822 116 52283	4K7 5% 0,5W
3703	4822 116 52276	3K9 5% 0,5W
3704	4822 116 52276	3K9 5% 0,5W
3705	4822 116 52283	4K7 5% 0,5W

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3706	4822 116 52197 56R 5% 0,5W
3707	4822 116 52276 3K9 5% 0,5W
3708	4822 116 52283 4K7 5% 0,5W
3709	4822 116 52276 3K9 5% 0,5W
3710	4822 116 52244 15K 5% 0,5W
3711	4822 116 52238 12K 5% 0,5W
3712	4822 116 52256 2K2 5% 0,5W
3713	4822 116 52197 56R 5% 0,5W
3714	4822 116 52303 8K2 5% 0,5W
3715	4822 116 83864 10K 5% 0,5W
3716	4822 116 52244 15K 5% 0,5W
3717	4822 116 52238 12K 5% 0,5W
3718	4822 116 52256 2K2 5% 0,5W
3719	4822 116 52197 56R 5% 0,5W
3720	4822 116 52303 8K2 5% 0,5W
3721	4822 111 30893 4M7 5% 0,2W
3722	4822 116 83864 10K 5% 0,5W
3723	4822 116 52256 2K2 5% 0,5W
3724	4822 116 52256 2K2 5% 0,5W
3725	4822 116 52176 10R 5% 0,5W
3726	4822 116 52211 150R 5% 0,5W
3727	4822 116 52234 100K 5% 0,5W
3729	4822 116 52176 10R 5% 0,5W
3730	4822 116 52303 8K2 5% 0,5W
3731	4822 116 52303 8K2 5% 0,5W
3732	4822 116 52303 8K2 5% 0,5W
3733	4822 116 52303 8K2 5% 0,5W
3734	4822 116 83863 1K 5% 0,5W
3735	4822 116 52292 560K 5% 0,5W
3736	4822 100 20165 500R 30%LIN 0,1W
3737	4822 116 52276 3K9 5% 0,5W
3738	4822 116 52176 10R 5% 0,5W
3740	4822 116 52235 1M 5% 0,5W
3741	4822 116 83864 10K 5% 0,5W
3742	4822 116 52228 680R 5% 0,5W
3743	4822 116 83864 10K 5% 0,5W
3744	4822 116 52289 5K6 5% 0,5W
3745	4822 116 52219 33R 5% 0,5W
3746	4822 116 52219 33R 5% 0,5W
3747	4822 116 52175 100R 5% 0,5W
3748	4822 116 52175 100R 5% 0,5W
3749	4822 116 52256 2K2 5% 0,5W
3750	4822 116 52291 56K 5% 0,5W
3752	4822 116 52224 470R 5% 0,5W
3753	4822 116 52215 220R 5% 0,5W

3754	4822 116 52239 120K 5% 0,5W
3755	4822 116 52224 470R 5% 0,5W
3756	4822 116 52215 220R 5% 0,5W
3757	4822 116 52239 120K 5% 0,5W
3758	4822 116 52224 470R 5% 0,5W
3759	4822 116 52215 220R 5% 0,5W
3760	4822 116 52239 120K 5% 0,5W
3761	4822 116 52245 150K 5% 0,5W
3762	4822 116 52215 220R 5% 0,5W
3763	4822 116 52239 120K 5% 0,5W
3764	4822 116 52224 470R 5% 0,5W
3765	4822 116 83863 1K 5% 0,5W
3766	4822 116 83864 10K 5% 0,5W
3767	4822 116 83864 10K 5% 0,5W
3768	4822 116 52257 22K 5% 0,5W
3769	4822 116 52234 100K 5% 0,5W
3770	4822 116 83863 1K 5% 0,5W
3771	4822 116 83864 10K 5% 0,5W
5708	4822 156 20946 Coil
6250	4822 130 34167 BZX79-C6V2
6252	4822 130 31438 1N4001
6253	4822 130 31438 1N4001
6254	4822 130 31438 1N4001
6255	4822 130 31438 1N4001
6707	4822 130 31274 TLR124
6708	4822 130 31274 TLR124
6709	4822 130 31438 1N4001
7250	4822 209 70372 TA7769P
7251	4822 130 40937 ED1402C
7700	4822 209 32918 AN7318S
7701	4822 209 32918 AN7318S
7702	4822 130 40937 ED1402C

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7703	4822 130 40937 ED1402C
7704	4822 130 40937 BC548B
7706	4822 130 40941 1602C
7707	4822 130 40937 ED1402C
7708	4822 130 40937 BC548B
7709	4822 130 40937 BC548B
7710	4822 130 40937 BC548B
- MISCELLANEOUS -	
1250	4822 267 31468 Socket-headphone
1251	4822 240 50342 Loudspeaker
1252	4822 240 50342 Loudspeaker
1253	4822 277 21794 Voltage Selector
1700	4822 242 30176 Microph. Cond.
1701	4822 277 30972 Switch-slide
1702	4822 276 20529 Switch-push
1800	4822 146 21819 Transf. EI-41 230V
1800	4822 146 21821 Transf. EI-41 120/230V
1801	4822 267 30738 Socket Mains

Note : Only the parts mentioned in this list are normal service parts.